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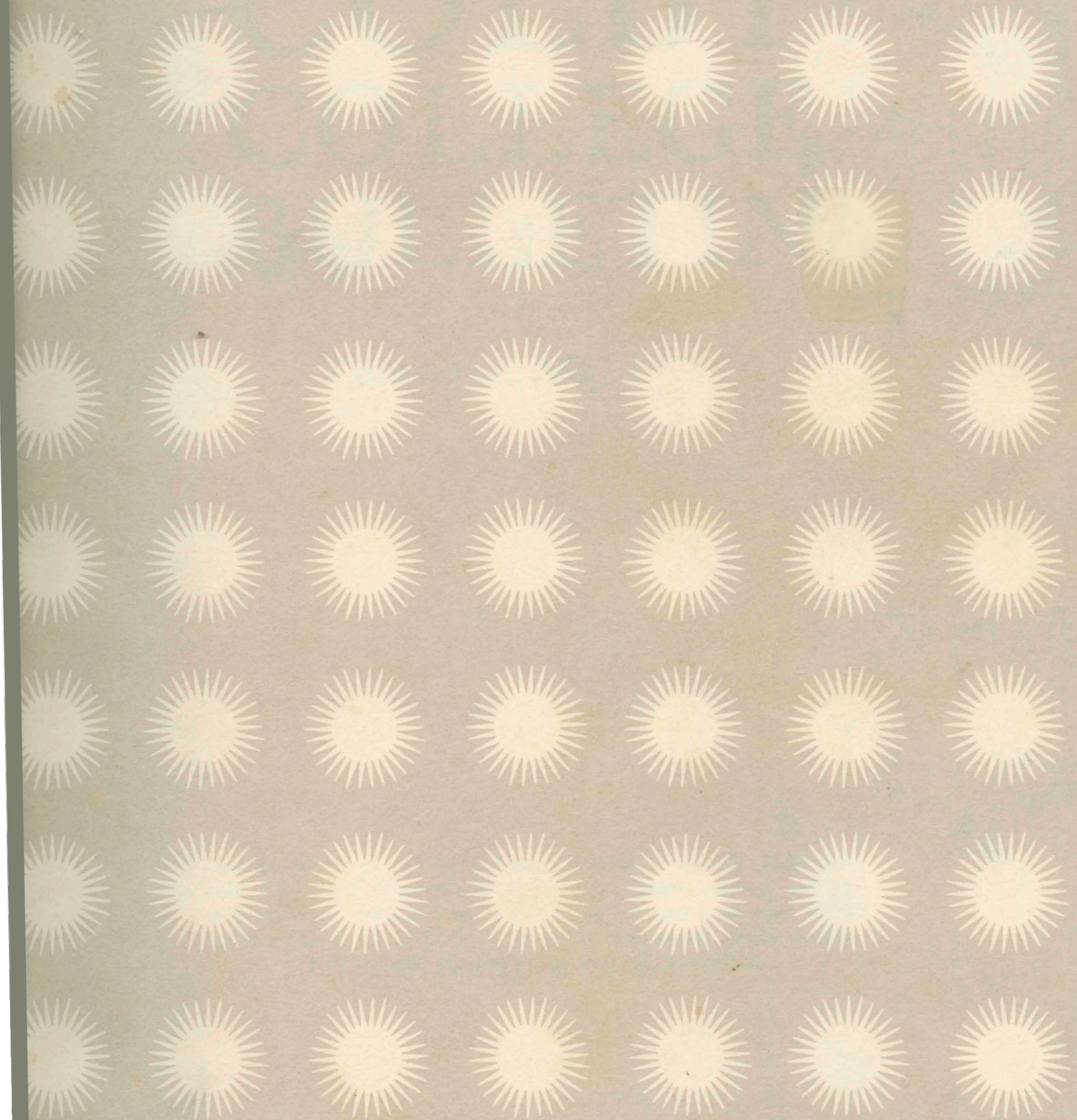
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COLBY COLLEGE BULLETIN

Catalogue, May 1978



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COLBY COLLEGE BULLETIN

Catalogue, May 1978

WATERVILLE, MAINE

Inquiries to the college should be directed as follows:

ACADEMIC COUNSELING

OFFICE OF THE DEAN OF STUDENTS

ADMISSION

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ADULT EDUCATION AND
SUMMER PROGRAMS

ROBERT H. KANY, *Director of the Division of Special Programs*

BUSINESS MATTERS

DOUGLAS E. REINHARDT, *Assistant Treasurer*

FOREIGN STUDENT ADVISOR

JONATHAN M. WEISS, *Assistant Professor of Modern Languages*

HEALTH AND MEDICAL CARE

CARL E. NELSON, *Director of Health Services*

HOUSING

JANICE SEITZINGER, *Associate Dean of Students*

JANUARY PROGRAM

ELIZABETH KIRALIS, *Assistant to the Dean of Faculty*

RECORDS AND TRANSCRIPTS

GEORGE L. COLEMAN II, *Registrar*

SCHOLARSHIPS, EMPLOYMENT,
AND CAREER PLANNING

SIDNEY W. FARR, *Director of Financial Aid and Career Planning*

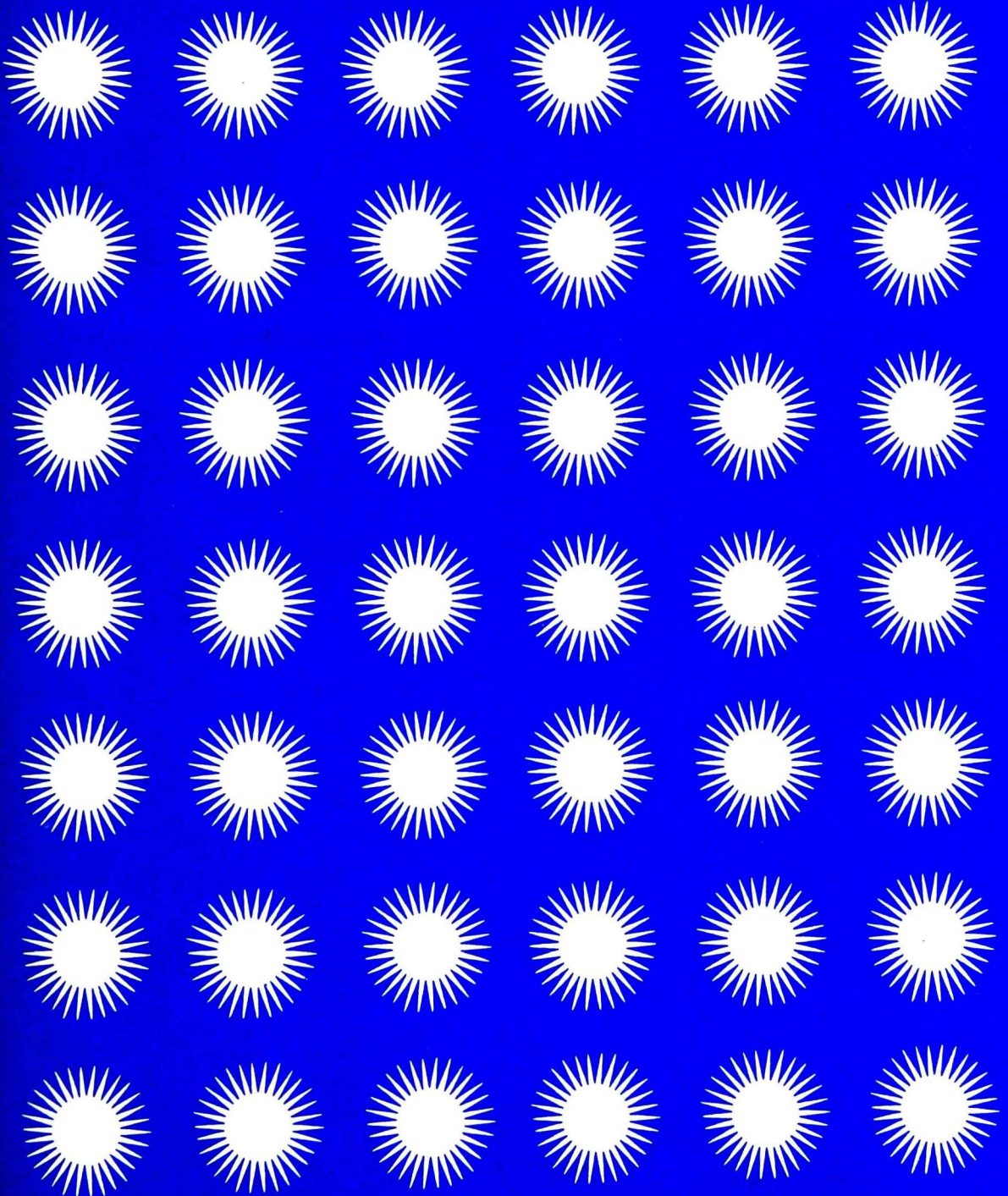
Mailing address: Colby College, Waterville, Maine 04901.

Telephone: (207) 873-1131.

A booklet, *Colby*, with illustrative material, has been prepared for prospective students and may be obtained from the dean of admissions.

Colby College is accredited by the New England Association of Schools and Colleges, which accredits schools and colleges in the six New England states. Membership in one of the six regional accrediting associations in the United States indicates that the school or college has been carefully evaluated and found to meet standards agreed upon by qualified educators. Colleges support the efforts of public school and community officials to have their secondary school meet the standards of membership.

Colby College admits qualified students of any race, religion, or national or ethnic origin without regard to sex or handicapped status. It does not discriminate on the basis of such criteria in its educational or employment policies, or in its athletic, scholarship, loan, or other college-administered programs. Colby is an affirmative action/equal opportunity employer and operates in accordance with federal and state laws regarding nondiscrimination.



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Colby College

| | |
|----------------------------------|--|
| CORPORATE NAME | The President and Trustees of Colby College. |
| LEGAL BASIS | Chartered as Maine Literary and Theological Institution by the General Court of Massachusetts, February 27, 1813. First classes, 1818. Authorized to confer degrees by the first legislature of Maine, June 19, 1820. First Commencement, 1822. Name changed to Waterville College, February 5, 1821; changed to Colby University, January 23, 1867; changed to Colby College, January 25, 1899. |
| FUNCTION | Independent college of liberal arts for men and women (women first admitted, 1871); nonsectarian, founded under Baptist auspices. |
| DEGREE CONFERRED | Bachelor of Arts. |
| ENROLLMENT | 1,626 (opening, 1977). |
| FACULTY | 147 full-time and part-time. |
| ENDOWMENT | \$26,779,219 (market value as of June 30, 1977). |
| LIBRARY | 340,000 volumes and 53,824 microtexts; 1,150 current subscriptions to periodicals. |
| ACCREDITATION AND MEMBERSHIPS | Accredited by New England Association of Schools and Colleges, and American Chemical Society. Member of College Entrance Examination Board, Association of American Colleges, American Council on Education, National Association of Independent Colleges and Universities, New England Board of Higher Education, Council for the Advancement and Support of Education, American Library Association, The Center for Research Libraries, New England Library Network, Center for African and Afro-American Studies, New England Regional Conference of the National Council for Black Studies, American Institute for Indian Studies, and American Studies Association. Corporate member of American Association of University Women; chapter of American Association of University Professors. Colby chapter of Phi Beta Kappa founded 1895. |
| LOCATION | Waterville, Kennebec County, Maine; population 19,000. Industries: textiles, paper, molded wood-pulp products, shirts, plastics. Bus service: Greyhound Lines. Robert LaFleur Airport served by Air New England. On U.S. Interstate Highway 95, connecting with Maine Turnpike at Augusta. |

Colby Yesterday and Today

HISTORY OF
COLBY COLLEGE

In 1813, when Maine was still a part of Massachusetts, a group of Baptists secured a charter for the Maine Literary and Theological Institution, and in 1815 received a grant of land on the Penobscot River. Permitted subsequently to erect the institution on a site other than the land grant, they chose a tract in Waterville on the west bank of the Kennebec, where in 1818 the Reverend Jeremiah Chaplin began instruction of seven theological students.

The first legislature of Maine in 1820 granted the institution the right to confer degrees, and in 1821 changed the name to Waterville College, with Jeremiah Chaplin as the first president. William King, Maine's first governor, had been instrumental in securing the original charter, and was himself for many years a member of the board of trustees.

Though founded by Baptists, the college, even in its earliest days, was not narrowly sectarian. The Maine charter decreed that no applicant should be denied admission on grounds of religious belief. By 1830 the theological course had been abandoned, and the institution became, and remains today, distinctly a nonsectarian college of liberal arts. Though without official ties to any denomination, the college is proud of its Baptist heritage and support.

When the Civil War threatened to force closing of the college, the struggling institution was saved by a generous gift from Gardner Colby, a prominent Baptist layman of Newton Centre, Massachusetts, and in 1867 the grateful trustees changed the name to Colby University. In 1899, sensing that the college had never become a university in fact, the board changed the name to Colby College.

In the first class receiving degrees in 1822 was George Dana Boardman, pioneer of a long line of Colby missionaries to foreign lands. A graduate in 1826 was Elijah Parish Lovejoy, who suffered martyrdom for the cause of freedom of the press when his persistent antislavery articles led to his death at the hands of a mob in Alton, Illinois, at the age of thirty-four.

Colby first admitted women in 1871, when Mary Low was the lone female student. By 1890 the number had so increased that President Albion Woodbury Small proposed, and the trustees adopted, a system of coordination, providing for men's and women's divisions with separate classes. In time

coordination changed to coeducation, and Colby is now officially a coeducational college.

After the First World War, Colby found its campus confined to thirty crowded acres hemmed in by the tracks of the Maine Central Railroad. On the campus were ten buildings, while six others sprawled into the downtown area. In 1930 the trustees voted that "as soon as feasible" the college must move to a new site.

For twenty anxious years after this decision, President Franklin Winslow Johnson led a valiant and finally successful campaign to move the college, despite the obstacles of a great depression and the Second World War. Colby was gradually transferred, between 1943 and 1952, to its new site on Mayflower Hill, on land given by the citizens of Waterville.

In 1942 Dr. Johnson was succeeded by President J. Seelye Bixler, who for eighteen years extended and solidified the program on the new campus, securing national acclaim. Since 1960 President Robert E. L. Strider has brought Colby further renown, both for its physical plant and the significant strengthening of faculty and program.

The growth of Colby since the transfer to Mayflower Hill has been striking. On 900 acres there are now forty-one buildings and several playing fields. Enrollment has risen from 600 to 1,600, and students come from two thirds of the states and many foreign countries. The faculty, numbering fifty-six in 1940, now is 147. Endowment has increased from three million to twenty-six million dollars. The physical expansion has been accompanied by growth in variety and quality of the curriculum.

In 1963 Colby College observed its 150th anniversary with a series of events emphasizing the college's heritage and its responsibility for the future. That academic year was a milestone, but no event had more significance for the college than its selection by the Ford Foundation for development as a "regional center of excellence." Colby received in June 1962 a challenge grant of \$1.8 million in the foundation's Special Program in Education, which was successfully matched on a two-to-one basis in three years. Officials of the Ford Foundation chose a select number of liberal arts colleges to be included in the program "because of the importance of the

liberal arts—the humanities, natural sciences, and social sciences—in cultivating the thoughtful leadership and independent opinion essential in a free society.” Colby has continued to explore the possibilities of the liberal arts, experimenting with educational innovations—enriching the traditional liberal arts program while remaining responsive to a changing universe.

| | | |
|------------|------------------------------|-----------------------------|
| PRESIDENTS | 1822-1833 | JEREMIAH CHAPLIN |
| | 1833-1836 | RUFUS BABCOCK |
| | 1836-1839 | ROBERT EVERETT PATTISON |
| | 1841-1843 | ELIPHAZ FAY |
| | 1843-1853 | DAVID NEWTON SHELDON |
| | 1854-1857 | ROBERT EVERETT PATTISON |
| | 1857-1873 | JAMES TIFT CHAMPLIN |
| | 1873-1882 | HENRY EPHRAIM ROBINS |
| | 1882-1889 | GEORGE DANA BOARDMAN PEPPER |
| | 1889-1892 | ALBION WOODBURY SMALL |
| | 1892-1895 | BENIAH LONGLEY WHITMAN |
| | 1896-1901 | NATHANIEL BUTLER, JR. |
| | 1901-1908 | CHARLES LINCOLN WHITE |
| | 1908-1927 | ARTHUR JEREMIAH ROBERTS |
| | 1929-1942 | FRANKLIN WINSLOW JOHNSON |
| 1942-1960 | JULIUS SEELYE BIXLER | |
| 1960- | ROBERT EDWARD LEE STRIDER II | |

COLBY TODAY

Colby is a coeducational undergraduate college of liberal arts committed to the belief that the best preparation for life in our world, and especially toward the professions that require further specialized study, is a broad acquaintance with human knowledge rather than narrowly concentrated training in limited areas. It is the pursuit of truth, free and unrestricted, for truth itself is almost infinitely various.

In addition to a comprehensive investigation of our heritage, the Colby student is given an opportunity to explore thoroughly a major field of study.

Consistent with the philosophy of the college, responsibility is given each student in the determination of the academic program and in the regulation of social life and daily living. Toward this end, advising, guidance, and counseling are

available. The recommendations of the Constitutional Convention in 1969, adopted by the board of trustees, and of a similar convention reconvened in the spring of 1972, revised the governmental structure of the college to make possible a productive sharing of responsibility in the reaching of decisions. Through work on committees at both the faculty and board levels, this process involves students, faculty, and alumni, as well as the administration and trustees.

Emphasis on independent thought and enterprise by students is nothing new. Colby's January Program of Independent Study, initiated in 1962, encourages the student to acquire the habit and the methods of exploring a particular field of knowledge on his own, which can be carried over beyond graduation and through life.

Students are strongly advised to consider graduate study in further preparation for the professions. Each year a number of Colby graduates enter divinity, law, and medical schools, and graduate schools of arts and sciences, business, education, and engineering.

On the occasion of the college's 150th anniversary, in connection with a convocation dedicated to the general subject *The Heritage of Mind in a Civilization of Machines*, President Strider wrote: "Colby and other colleges were founded upon ideals that have not changed. A center for sound learning in the quiet wilderness of Maine in 1813 was something to be desired. The quiet wilderness almost everywhere is gone, and the cacophonous megalopolis that stretches the length of our Atlantic coast has crept to the margins of the forests to the North. But the need for sound learning remains, and the human race, wherever it is found, still faces the fundamental questions that are prompted by man's perennial curiosity." In the 1970's Colby College maintains this commitment.

The Campus

In 1977 Colby observed the twenty-fifth anniversary of the move from its original site in downtown Waterville to Mayflower Hill, two miles west of the city. Today forty-one buildings stand on a campus of 900 acres, one of the most modern and beautiful in the nation.

The first building was Lorimer Chapel. The main chapel, in early New England style, contains an organ built in the classical tradition by Walcker of Ludwigsburg, Germany. Its specifications were drawn up by Albert Schweitzer. The Rose Chapel adjoins the main building.

At the center of the campus is Miller Library, described in a section that follows.

The science center consists of three buildings connected as a unit: the new Seeley G. Mudd Science Building, which opened for the second semester in 1978 for physics, geology, and mathematics; the Keyes Building for chemistry; and the David Kenneth Arey Life Sciences Building for biology and psychology. The science library for the center is in Keyes. Extensive renovations of the Keyes and Arey buildings are expected to be completed by the fall of 1978.

The humanities and social sciences are centered in the Elijah Parish Lovejoy Building, named for the Colby graduate who was one of America's earliest martyrs for freedom of the press. Here are classrooms, faculty offices, laboratories for modern languages and psychology, and an auditorium.

Administration offices are housed in the Eustis Building.

The Bixler Art and Music Center has classrooms, studios, an art and music library, auditorium, rehearsal hall, and practice and listening rooms. The Museum of Art, with the Jetté Galleries and the Marin Gallery, is a major segment of the center. The Lenk Building houses studios for painting and design as well as workshops for wood and metal sculpture. Emphasis in the college's permanent collection is clearly in the American field, but the British Isles and Europe are represented by paintings, sculpture, prints, and drawings.

Colby is a residential college where students are expected to live and eat on campus. Classes are distributed equally through all eighteen dormitories, some of which are coeducational. In addition to these dormitories, there are eight fraternity houses, where students live but not dine. In special

circumstances, some students have the option of living off campus.

Set into a hillside, the Garrison-Foster Health Center opened in the fall of 1976. The first floor is devoted to outpatient treatment and service rooms. The second floor has inpatient facilities: a twenty-four-bed infirmary, first aid room, lounge, study carrels, kitchen, and dining area.

Roberts Union, completely renovated in 1977, serves as a student center. The facility has two dining halls, the Seaverns bookstore, a post office, and the student spa and pub. In addition to numerous meeting rooms for campus organizations, the center also has a pottery workshop and is headquarters for the outing club and all student publications, as well as the campus radio station, WMHB.

Completed in 1976, the Performing Arts Center in the Ninetta M. Runnals Union features the 274-seat Strider Theater, with orchestra pit and balcony. Above the balcony are control booths for lighting, sound, and projection. Workshop-storage areas and, on two levels, dressing rooms are behind the stage. The second floor has a studio equipped for dance.

Indoor sports facilities are in the physical education and athletic complex and consist of the Wadsworth Gymnasium (badminton, volleyball, and four basketball courts), Alford Ice Arena, the fieldhouse (an eighth-of-a-mile track, a baseball diamond, and four tennis courts), the Dunaway Squash and Handball Courts (consisting of seven singles and one doubles), the swimming pool, saunas, and a weight training room.

Outdoors there are some fifty acres of playing areas: two football fields, two baseball diamonds, two soccer fields, fourteen tennis courts, fields for field hockey, intramural competition, and recreation, a quarter-mile track, as well as cross-country courses for running and skiing. Community facilities include bowling lanes and riding stables.

The entire Mayflower Hill campus has been designated by the Maine legislature as a State Wildlife Management Area. Part of the woodland has been set aside as a wildlife sanctuary, The Perkins Arboretum and Bird Sanctuary, and includes 128 acres.

In the Belgrade Lakes area, near Waterville, the college

owns the Colby-Marston Preserve, a thirty-four-acre tract containing a kettle-hole bog. The preserve, which is considered a classic example of a northern sphagnum bog, has been classified a Registered Natural Landmark by the United States National Park Service. It is used for teaching and research in the fields of biology, ecology, and geology.

Near the coast, at Head Tide, the college owns the birthplace of Pulitzer Prize-winning poet Edwin Arlington Robinson. Maintained as a memorial, the house is open on specified days each summer for visitors.

The Library

The Miller Library, at the center of the campus, furnishes printed and audiovisual material for assigned and recreational reading, reference, research, and independent study. Reading rooms and individual carrels in the main library and in departmental libraries provide study areas for approximately one third of the students. The library is a member of the New England Library Network and The Center for Research Libraries. The main building is open from early morning until late at night during the academic year, and mornings and afternoons each weekday in summer. Miller Library houses the humanities and social science collections, college archives, and special collections.

An open-stack system allows browsing through the collection of 340,000 volumes. The library has 1,150 current periodicals, with strong retrospective runs, and daily newspapers from this country and abroad. In addition, on file are specialized types of material such as microfilms of newspapers, periodicals, and documents, a spoken-record collection, some films, and video tapes. Miller Library is a selective depository for United States government documents.

There are two libraries devoted to departmental collections. The Bixler Center has the Ambrose Coghill Cramer Room for the library of fine arts and music. The science collections are housed in the newly renovated Keyes Building.

Special collections of first editions and manuscripts in Miller Library have achieved international recognition. The Edwin Arlington Robinson Memorial Room, named for the famous Pulitzer Prize-winning Maine poet, contains his books, manuscripts, letters, and memorabilia. The Thomas Hardy Collection is one of the most extensive in the country. Other authors represented in the Robinson Room include A. E. Housman, Sarah Orne Jewett, Kenneth Roberts, Henry James, Willa Cather, John Masefield, William Dean Howells, and Thomas Mann.

The John and Catherine Healy Memorial Room contains the James Augustine Healy Collection of Modern Irish Literature, with numerous inscribed copies, manuscripts, and holograph letters of William Butler Yeats, Sean O'Casey, James Joyce, George Bernard Shaw, and many others. The Healy Collection has 7,000 primary and critical sources representing the Irish Literary Renaissance, 1880-1940.

The Alfred King Chapman Room houses the college archives, which hold over 4,000 manuscript files pertaining to Colby graduates, faculty, and staff dating from 1813 to the present. Also included is an extensive collection of books by Colby graduates and faculty.

The Academy of New England Journalists has established its archives in Miller Library.

The Colby Library Associates, founded in 1935, is an organization of friends of the library, many of long standing. Dues are used to purchase books, manuscripts, and letters that the library could not otherwise acquire. Members receive the *Colby Library Quarterly*.

The Academic Program

DIVISIONS OF INSTRUCTION

The courses in the curriculum are classified under four divisions. In the Division of Humanities are art, classics, English, modern foreign languages, performing arts, and music. The Division of Social Sciences includes administrative science, economics, education, government, history, philosophy, psychology, religion, and sociology. In the Division of Natural Sciences are astronomy, biology, chemistry, geology, mathematics, and physics. The Division of Physical Education and Athletics, besides offering courses, administers the intercollegiate athletic and intramural sports programs.

Certain interdepartmental courses take content and staff from more than one department, and sometimes from more than one division.

THE STUDENT'S PROGRAM

The student at Colby normally takes from twelve to eighteen credit hours in each semester.

To assure distribution among the divisions mentioned above, students must include English composition and literature, a foreign language (unless exempted by examination), and courses to meet "area" requirements in the humanities, social sciences, and natural sciences. Programs are usually planned so that the majority of these requirements are met within the first two years, leaving the junior and senior years for "major" concentration and for free electives.

Each freshman is assigned to a member of the faculty who advises him during the first year; at the end of that year he is assigned a new adviser from the department in which he has declared his major.

Prospective students frequently ask what subjects they will study—especially in the freshman year. It would be misleading to present any specific pattern of courses for either of the first two years. The programs of individual students may vary widely because there is considerable latitude within the requirements. The student preparing for a scientific career or the study of medicine will begin electing scientific subjects at once. Many major departments in both the natural and social sciences recommend mathematics for the freshman year. Each student should discuss his prospective program with his adviser, noting carefully the recommendations and requirements of areas in which he might later wish to major.

GRADUATION
REQUIREMENTS

To qualify for the degree of Bachelor of Arts, a candidate must meet specific requirements in quantity, quality, distribution, and concentration, and must also complete a January program for every first semester in residence to a maximum of four.

QUANTITY A minimum of 120 semester credit hours, at least 105 of which (hereafter called "basic credits"), including, effective with the class of 1981, all distribution requirements, must be earned in conventionally graded academic courses or specifically designated nongraded courses (see also FLEXIBLE CREDITS, RESIDENCE).

QUALITY A minimum of 210 quality points in 105 basic credit hours. For each credit hour, a mark of *A* entitles the student to four points, a mark of *B* to three points, a mark of *C* to two points, and a mark of *D* to one point. No points are given for marks below *D*. Two points are awarded for each hour of *Cr* in basic nongraded courses.

DISTRIBUTION I ALL COLLEGE REQUIREMENTS
REQUIREMENTS

A. *English Composition and Literature*: Six credit hours. This requirement will be met by English 115 and 152.

B. *Foreign Language*: A basic knowledge of one ancient or modern foreign language. This requirement may be met in one of five ways:

(1) Giving evidence of satisfactory achievement in a foreign language taught at Colby by attaining before entrance a score of sixty in a College Entrance Examination Board foreign language achievement test.

(2) Successful completion of three hours in courses numbered above 123 in a modern foreign language, with the exception of Spanish 127, by enrolling in 121, 122, 123, 131, or 141 as determined by the score on the appropriate placement examination, and pursuing courses in sequence until the requirement is fulfilled.

(3) Successful completion of a classical language sequence terminating with either Greek 131 or Latin 232.

(4) For a transfer student who has studied a foreign language not taught at Colby, the requirement will be fulfilled if he has completed at an accredited institution the equivalent of a second year of that language at the

college level with marks high enough to make the work acceptable toward the Colby degree.

(5) For a foreign student whose native language is not English, knowledge of his native language will be recognized as fulfillment of the language requirement, subject to the approval of, and possible testing by, the department of modern foreign languages.

II AREA REQUIREMENTS

A minimum of six credit hours in each of the areas described in III below. Three of the credit hours in the natural sciences must involve laboratory experience.

III AREAS

A. HUMANITIES

Art

Classics (except Ancient History)

English (except 111, 112, 115, 152, and 171)

Greek

Latin

Modern Foreign Languages (above the intermediate level)

Music

Performing Arts (except 251)

Philosophy and Religion (certain courses: Religion 223, 224, 311, 312, 351, 352, 353, and 358; Philosophy 313, 355, 356, and 372; philosophy and religion seminars when topics are relevant)

B. NATURAL SCIENCES

Astronomy

Biology

Chemistry

Geology

Mathematics

Physics

C. SOCIAL SCIENCES

Administrative Science

Ancient History

Economics

Education

Government

History

Handwritten notes in blue ink:

- 4 | 120
- 30
- 15
- 2 | 30
- 5
- 3 | 15
- 5
- sum*
- A large blue scribble or signature.

Philosophy and Religion (except courses listed among the humanities)

Psychology

Sociology

PHYSICAL EDUCATION Completion of freshman physical education requirements are required for graduation.

RESIDENCE Candidates for the degree must earn in residence at least sixty credit hours, including fifty-three basic credits with a 2.0 cumulative average. They must be resident students at Colby for at least four semesters, including the last two semesters before graduation. A resident student is defined as a full-time student taking at least twelve credit hours.

Credits earned at another institution while concurrently registered at Colby may not be applied toward graduation requirements.

EXEMPTION BY EXAMINATION When appropriate, either all college or area requirements, as well as certain requirements for the major, may be absolved by examination without course enrollment, at the discretion of the department concerned. Credit hours can be earned under specified conditions.

OPTION FOR CERTAIN STUDENTS A student returning to college after an absence must meet any new requirements for graduation if he still needs more than one half of the total number of credit hours required for graduation. If he still needs no more than one half of the total number, he may meet either the new requirements or those in effect when he first enrolled.

MAJOR

Near the end of the freshman year, each student elects a tentative major in which he wishes to concentrate. The major may be chosen in a single subject, in one of a number of designated combinations, or in a specially designed independent major.

The respective academic departments and programs specify the courses constituting a major in each department or program. Before selecting a major, the student should acquaint himself thoroughly with the requirements detailed in the section on *Divisions, Departments, and Courses of Study*.

With the consent of the departments or programs con-

cerned, a student may change his major. Forms for officially effecting such change must be obtained from and returned to the registrar's office.

Any student whose cumulative points in courses completed toward the major fall below a certain scale loses his right to continue with that major. The required scale is as follows: 1.5 grade point average for the first two courses; two points for each credit hour thereafter.

Each department or program designates the courses to which the point scale applies for its major. A student below the point scale may, with the consent of the department or program concerned, be accepted or retained for one semester as a probationary major.

A student may change his major at the end of the junior year if he has completed, with the required points, the equivalent of at least twelve credit hours toward the fulfillment of the new major. If, at the end of his junior year, a student finds no department or program in which he can be accepted as a major, he cannot continue in college. If, in the senior year, the cumulative points in courses completed toward the major fall below the required number, the major requirement is not fulfilled, and the degree cannot be awarded.

INTERDEPARTMENTAL MAJORS

Approved interdisciplinary majors are offered in the following areas:

American Studies

East Asian Studies

Environmental Studies

In addition, combined majors are offered in the following areas:

Administrative Science-

Mathematics

Classics-English

Classics-Philosophy

Economics-Mathematics

Studies in Human Development

Studies in Western Civilization

Geology-Biology

Geology-Chemistry

Philosophy-Mathematics

Philosophy-Religion

Psychology-Mathematics

INDEPENDENT MAJORS

A student may design an independent major by presenting a detailed written proposal prepared with the support of an adviser who agrees to assume responsibility for the program throughout its course. Normally there will be at least one

other adviser who will help to shape and direct the program. The program must include integrated course work representing from one quarter to one third of the total credit hours required for graduation. Implementation requires the written approval of the independent major board, which is made up of the dean of the faculty, two faculty members elected from each division, and two students appointed by the Student Association. An annual report is required from each independent major and his adviser, which will include any minor changes in the program; substantial changes, or a change of adviser, must be referred to the board.

READING PERIOD

During the two weeks preceding the final examinations at the close of the second semester, a special reading period is scheduled for many courses numbered in the 300's and 400's. Not a time for review, this period frees the student from the routine of class meetings so that he may devote full time to independent study of freshly assigned reading or laboratory work. Although classes do not meet, instructors are available for consultation. Reading-period assignments are tested in the final examinations to a maximum of one third of the examination time.

Whether to have a reading period is decided by each instructor, who informs students whether classes are to continue meeting during the two weeks. Reading periods are not held in courses exempted from final examinations.

JANUARY PROGRAM OF INDEPENDENT STUDY

The January Program of Independent Study, introduced in 1961-62, grew from a desire to extend to students a greater measure of academic responsibility. Formal coursework of the first semester begins immediately after Labor Day and extends to the start of the Christmas holiday; this includes semester examinations. The second semester starts in February, freeing January for projects distinct from regular class meetings. January is a period during which topics may be pursued single-mindedly, free from the competing demands of an orthodox curriculum.

Great diversity is evident in the nature and conduct of the projects, which may be undertaken with a group or independently. Students may work on campus or away, in labora-

tories, museums, libraries, hospitals, professional offices, government agencies, and the like. The college does not impose restrictions on the subject matter nor on the method of research, but each project must have demonstrable academic or creative merit and be conducted through direct supervision by the faculty sponsor or an off-campus supervisor working with the sponsor.

Because the January program assures most students considerable flexibility in use of their time, it offers a chance to participate fully in extracurricular activities, including athletics, drama, and music. During January the college maintains a schedule of lectures, seminars, concerts, and art exhibitions.

The concept of January as a period of study or field experience extends to faculty as well. At least half serve as program sponsors; the others, relieved of teaching, have an opportunity for writing, reading, and research.

To be eligible for graduation, each student must successfully complete one January program for each first semester in residence.

Registration for the program takes place during the first semester, when descriptions of group projects and a list of faculty available during January are published. Three options are offered:

- (1) Group plans, designed primarily for freshmen and sophomores.
- (2) Individual plans outside the major for upperclass students. These projects must be approved by the January program committee.
- (3) Individual plans in the major. These require approval by the student's major department or interdisciplinary program. Most majors require that one independent (nongroup) January program be done in the major. Each student is responsible for knowing the January program requirements of the major.

A fine of \$5 per day is charged for late registration, to a maximum of \$15 beginning with the final day of the change-of-plan period in December. A student failing to register for a program by the end of the third day of the January program will be considered to have failed the program for that year. A student may not register for two concurrent January programs.

January programs are graded *honors*, *pass*, or *fail*. Marks of

Abs (absent from final examination) or *Inc* (work otherwise incomplete) may be given only in cases where the student has an excuse from the dean of students. A grade of *CF* (conditional failure) may be reported if the sponsor judges the work generally creditable but flawed by errors or inadequacies which may be corrected by the student. Projects receiving grades of *Abs*, *Inc*, or *CF* must be completed by the end of spring vacation.

Make-up of a deficiency is arranged in consultation with the faculty adviser and the director of the January program. Make-up proposals must be registered by the third Monday in April. Departments may permit not more than one January program deficiency to be made up by successful completion of a summer school course approved in advance for this purpose by the department. Students may not, at any time, apply credits thus earned toward any other requirement for the degree, nor may they register for more than one make-up January program during any semester.

A student whose record shows two January program deficiencies will be placed on probation by the committee on standing.

SENIOR SCHOLARS

A limited number of senior scholars, selected by a faculty committee, devote a major part of their senior year to approved scholarly subjects. Each senior scholar pursues this work under the guidance of a faculty member, and a scholar may earn six credit hours per semester.

COMPUTER RESOURCES

Colby has a PDP-11/50 computer in the computing center in the Lovejoy Building. The system provides twenty time-sharing terminals, several of which are available for student use, at various locations on campus. Many courses in the natural and social sciences make use of the computer as a problem-solving tool for a variety of applications. Orientation sessions in the use of the terminals and general programming are available to all students.

AUDIOVISUAL CENTER

The audiovisual center in the Miller Library provides media services for the college community. In addition to offering the traditional equipment delivery and loan services, the center also produces educational materials and provides instruction in

many media-related areas. Audiovisual maintains a full complement of equipment, from overhead projectors to portable video recorders.

FOREIGN STUDY

Since 1970-71 Colby has had a Junior Year Abroad program in France, established in cooperation with the Université de Caen. Enrollment is limited to Colby students. Details of the program are available from the department of modern foreign languages.

Colby is a member of the Associated Kyoto Program, which makes possible a year of study in Kyoto, Japan. In addition, Kansai Gaikokugo Daigaku of Osaka annually makes a tuition scholarship available to a selected Colby student.

By agreement with Manchester College, Oxford, and with the universities of Glasgow and Aberdeen, limited numbers of Colby nominees are accepted for a year of study at these institutions.

Opportunities for study abroad in these and other countries are available through the programs of other institutions or by independent arrangement.

Permission to study abroad during the junior year is given by the committee on foreign study and student exchange programs. Credit for such study is guaranteed only if the student follows a program approved in advance by the major department and the committee. Application must be made by November 15 for spring-semester study abroad and by April 15 for fall-semester; forms can be obtained from members of the committee. Approved applicants must notify the dean of students office of their plans by December 15 for a second semester abroad or by May 1 for a first semester abroad.

Committee approval presupposes an academic record for the first three semesters sufficient to give promise that the student will complete his program of foreign study with credit to himself and to the college.

The committee administers the Harold D. Walker Scholarship Grants for study and travel in Latin America and the French Government Scholarship Fund for study abroad in French language and literature.

EXCHANGE PROGRAMS

Colby participates in student exchange programs with Fisk University in Tennessee and Pitzer and Pomona colleges in California. Ordinarily, exchanges are arranged for a single semester of the junior year. Each student pays tuition, board, and room charges at the home institution; travel is at the student's expense.

A course exchange program is in effect with Thomas College (Waterville). Students may obtain information about exchange programs from the committee on foreign study and student exchange.

OFF-CAMPUS PROGRAMS

A limited number of qualified students may earn up to fifteen hours of academic credit by one or more off-campus field experiences which have a direct, demonstrated relationship to their major field of interest. Such field experiences may be done while in residence at the college, concurrent with regular course work, or away from campus while on a leave of absence. Students must submit a formal proposal, to be approved by the appropriate academic department in advance of the start of the field experience. Each student earning Colby credits in this program is charged an administrative fee.

An opportunity is provided for a limited number of Colby students in their sophomore and junior years to participate in the various Washington Semester Programs organized by The American University in Washington, D.C. Through these programs, students can obtain firsthand knowledge of the national government as it deals with the crucial problems of cities, foreign policy, economic development, and scientific advancement.

FOREIGN STUDENTS

Colby has traditionally encouraged the enrollment of students from other countries and is actively engaged in programs of international cooperation and exchange.

Students from foreign countries other than Canada should write to the dean of admissions for a preliminary application form. Upon its receipt, the college will determine whether or not the candidate has the potential for completing the requirements for a Colby degree. If the decision is affirmative, application material will be forwarded.

Applicants should be aware that financial aid for foreign students is extremely limited.

All foreign applicants are encouraged to take the Scholastic Aptitude Test (SAT) if it is offered in a student's home country. In addition, applicants who have attended a school in which the medium of instruction is not English are required to take the Test of English as a Foreign Language (TOEFL). The college has no program to teach English as a foreign language.

The adviser to foreign students is Assistant Professor Jonathan M. Weiss of the department of modern foreign languages.

REGISTRATION

Students must register for courses of each semester on the regularly assigned days. A fine of \$5 for each day of delay is charged on the student's semester bill for registration later than the date specified.

No student will be permitted to register later than the seventh class day of the semester, unless the dean of students certifies in writing that exceptional circumstances justify such action.

The treasurer is not authorized to permit deferred payment of any fees that the board of trustees requires to be paid in advance of registration. It is important that students understand the distinction between payment of fees and registration. Each student must complete the financial procedures specified by the treasurer before he can register.

ELECTION OF COURSES

Each semester, with the approval of their advisers, students elect programs of study for the following semester; these elections, with approved revisions, are confirmed during the registration period at the beginning of each semester. A student's academic program must bear his adviser's approval and be properly filed with the registrar; no credit will be granted for work in a course for which a student is not correctly registered.

With the approval of the adviser, voluntary changes in a student's program may be made during the first eight class days of a semester, the first day of classes being considered the first day of the semester. After the eighth day, no changes may be made voluntarily from one course or section to another.

Changes of section within a course must be approved by the department or course chairman. Unless otherwise stated in the course description, no course may be repeated for additional credit. A student may not register for two courses scheduled to meet concurrently.

FLEXIBLE CREDITS

Fifteen of the 120 hours required for graduation (called “flexible credits”) can be earned in any combination of the following: (1) additional basic credits, (2) courses taken on a pass/fail basis, (3) courses specifically designated as carrying flexible credit, or (4) independent, noncurricular field experience that has a direct, demonstrated relationship to the student’s curricular program and which has been approved in advance by the appropriate departmental or program committee. Details about field experience can be obtained from the assistant to the dean of faculty.

PASS/FAIL

Students may elect a limited number of courses on a pass/fail basis (see **FLEXIBLE CREDITS**); beginning with the class of 1981, these cannot include distribution requirements. Departments may specify that major courses must be taken on a conventionally graded basis; it is the student’s responsibility to be aware of the policy of his department.

Forms for declaring pass/fail options can be obtained at the registrar’s office. The form must be completed and returned no later than ten days after the end of the change of course period of the semester in which the course is to be taken. Once submitted, a pass/fail election may not be voluntarily revoked. Letter grades submitted by instructors will be converted to *P* (for grades *A* through *D*) or *NP* before being posted on permanent record cards. No information about the “quality” of a *P* will be released by the registrar’s office, even upon request of the student himself.

AUDITING COURSES

A Colby student may register to audit courses (not for credit) by obtaining written consent of the instructor and his adviser. He is not charged an auditing fee, nor is the audit recorded on the student’s permanent record.

Adults who are not students of the college may register to audit courses at a fee of \$5 each semester for each credit

hour, provided they obtain written consent of the instructor and of the dean of admissions; the fee is waived for persons sixty-five years of age or older. Members of the college staff and their spouses may register without charge to audit courses or to take courses for credit; the necessary forms can be obtained from the registrar. Permission to audit will be withheld if the class is already too large and if auditing applications for it are numerous.

An auditor is not permitted to submit papers or perform any other function for which course credit is usually given. For this reason, auditing is seldom permitted in courses where the method of instruction involves significant individual attention and criticism. Under no circumstances can academic credit be given an auditor, nor can he later convert an audited course into an accredited course merely by paying the regular course fee. The decision whether the course is to be audited or taken for credit must be made at entry.

EXAMINATIONS

At the close of each semester, a period of six days is set aside for examinations in all courses except those which are specifically exempted by the chairman of the department concerned. The time and place of semester examinations are fixed by the registrar. The mark for the examination may constitute up to half of the total course mark.

No student may be excused from any semester examination except for illness or emergency so grave as to justify excuse in the judgment of the dean of students, or unless he has filed with the registrar a valid conflict-of-exams form based on his having scheduled three examinations in a single day or any four consecutive examinations. A student excused because of an examination conflict may be examined at a later date convenient to the instructor during the examination period or during a make-up date scheduled the day after the end of the regular examination period. Under no circumstances may a student be permitted to take a semester examination earlier than the date on which it is scheduled. A student is entitled to only one semester examination in any course; failed examinations cannot be repeated.

With the consent of the dean of students, a student may for unusual reason accept, in lieu of semester examination, a

mark for the course equal to seventy-five percent of his average without examination. Because this procedure is costly in reduction of final mark, few request it.

Hour examinations and shorter quizzes are given as the individual instructor decides. Short quizzes may be scheduled without notice, but each instructor is expected to give one week's notice of any hour examination.

Plagiarism, cheating, and other forms of academic dishonesty are serious offenses. The instructor may dismiss the offender from the course with a mark of *F* and may also report the case to the department chairman and the dean of students, who may impose other or additional penalties. A student is entitled to appeal charges of academic dishonesty to the faculty appeals board, which shall recommend action to the president of the college.

ACADEMIC STANDING

A student's class standing is determined by the number of credit hours he has passed. Freshman standing, fewer than twenty-four credit hours; sophomore, from twenty-four to fifty-three; junior, from fifty-four to eighty-three; senior, eighty-four or more.

Throughout the semester, at the discretion of the professor, warnings are sent to students. A major warning means that a student's standing at that time is below passing; a minor warning that, though passing, standing is so low that failure of the course is likely.

Official marks are issued in duplicate to students at the end of each semester. The college does not send grades directly to parents. In practice, a student often obtains his mark directly from the instructor, but the only official record is that in the registrar's office. Normally, grades are posted as *A*, *B*, *C*, *D*, *E*, *F*; courses described as "nongraded" are marked *Cr* (credit) or *NC* (no credit). If a course has been elected to be taken on a pass/fail basis, the registrar will convert the letter grade to *P* or *NP* before recording and releasing it.

In a course designated as a year course, the tentative mark, showing progress at the end of the first semester, carries no credit toward graduation; for such courses, no credit is given until the completion of the full year's work. A student who has failed a year course may not secure credit by repeating merely

the second semester even if his tentative mark at the end of the first semester is passing; he must repeat the entire year to obtain credit.

A mark below *D*, except in courses referred to in the next paragraph, indicates that a course has been failed and that credit thus lost must be made up by an additional course taken subsequently. If the failed course is specifically required for graduation, it must be repeated.

A mark of *E* is given only in specifically designated first semester courses. The mark *E* signifies temporary failure, which may be made up by improved work in the sequentially related course during the second semester. Passing the second semester in such a course entitles the student to a change of the first semester mark from *E* to *D*.

A mark of *Abs* indicates that a student has been absent from the final examination (see EXAMINATIONS). A mark of *Inc* indicates a course not finished for some reason other than failure to take the final examinations. Grades of *Abs* or *Inc* must be made up within limits set by the instructor, and not later than January 15 for the first semester and August 30 for the second semester. After these dates, any remaining mark of *Abs* or *Inc* will be changed to an *F*. The dean of students may give limited extensions for the completion of work without penalty but only for excuses similar to those acceptable for missing a final exam.

Marks of *W* and *WF* indicate withdrawal from course, and represent the student's standing at the time of withdrawal. *WF* indicates that the student was failing; *W* indicates either passing or no basis for judgment. These marks are excluded from computation of all averages except that *WF*'s incurred within the last thirty calendar days of the semester are treated as *F*'s in averages. Withdrawal is permitted through the final class day of the semester.

For abandoning a course without permission the student shall receive an *F*.

The letter *R* is used together with an appropriate mark when a student has repeated a course previously passed, and in such a case there can be no additional credit in terms of credit hours.

When a student's academic record is seriously deficient, the

decision to retain or dismiss him from college or to place him on probation is made by the committee on standing. The committee considers both quantity and quality of work in determining progress. The faculty has endowed this committee with full power to deal with these matters.

WITHDRAWAL,
LEAVE OF ABSENCE

Students who leave Colby while a semester is in progress are required to withdraw, as are students who leave at the end of a semester with no definite plans for return. Students who withdraw are not permitted to return without special approval. Students who withdraw for medical reasons must have the permission of the college physician in order to apply for readmission. Eligibility for initial or continued financial assistance from the college will be subject to review and action by the financial aid committee.

Students who leave to participate in college-approved student programs elsewhere or who leave at the end of a semester for a specified period may take a leave of absence and are not required to obtain special permission in order to return. Those who do poorly in study programs elsewhere are, however, subject to review and action by the committee on academic standing.

Such withdrawals or leaves must be officially accomplished by filing the appropriate form, which must be obtained from and signed by the dean of students. The proper exit procedure, which includes the surrendering of the student's identification card and dormitory keys, must be followed to be eligible for any refunds that may be due (see REFUNDS). A student who leaves without official notification is not eligible for refunds, which are computed from the date on the approved notice.

TRANSFERRED CREDITS

Courses taken at other institutions may be credited toward the Colby degree under the conditions and circumstances listed below. In addition to the conditions listed on these pages, restrictions detailed in the section on RESIDENCE requirements (q.v.) should be read with care.

(1) When students are admitted by transfer, their records are tentatively evaluated by the registrar to determine the transferable equivalent in Colby courses. These courses are

credited subject to confirmation through satisfactory progress at Colby College.

(2) College level courses taken by freshmen prior to matriculation are evaluated on the same basis as courses presented by new transfer students.

(3) Students on approved foreign study or student exchange programs will receive credit under terms specified by the committee on foreign study and student exchange programs. Credits earned in summer school may be transferred if approved by the appropriate Colby department; forms for this purpose can be obtained at the registrar's office and should be filed prior to taking the course. No student may receive credit toward graduation for more than fourteen credit hours taken in summer school for the purpose of making up deficiencies incurred at Colby.

(4) When a student who has been dropped from the college applies for readmission, courses taken during the period of separation are examined for transferable credit on the same basis as courses presented by new transfer students.

Admission

Colby College admits students as candidates for the degree of Bachelor of Arts. Admission is selective, and evaluation includes data concerning academic achievement and ability, as well as qualities of intellectual promise, interest and excitement in learning, character, and maturity.

The college actively seeks applicants who have special qualities or talents to contribute to the Colby community, as well as those who represent diverse geographical, racial, and economic backgrounds. Such candidates are expected to be within acceptable ranges of academic ability and preparation.

The quality of a candidate's preparation is judged by the academic record, the recommendations of school authorities, and results of tests administered by the College Entrance Examination Board.

To ensure a common educational base, a minimum of sixteen academic preparatory units is recommended, including: English 4, foreign language 2, college preparatory mathematics 3, history or social studies 1, science (laboratory) 1, college preparatory electives 5.

APPLICATION PROCEDURE

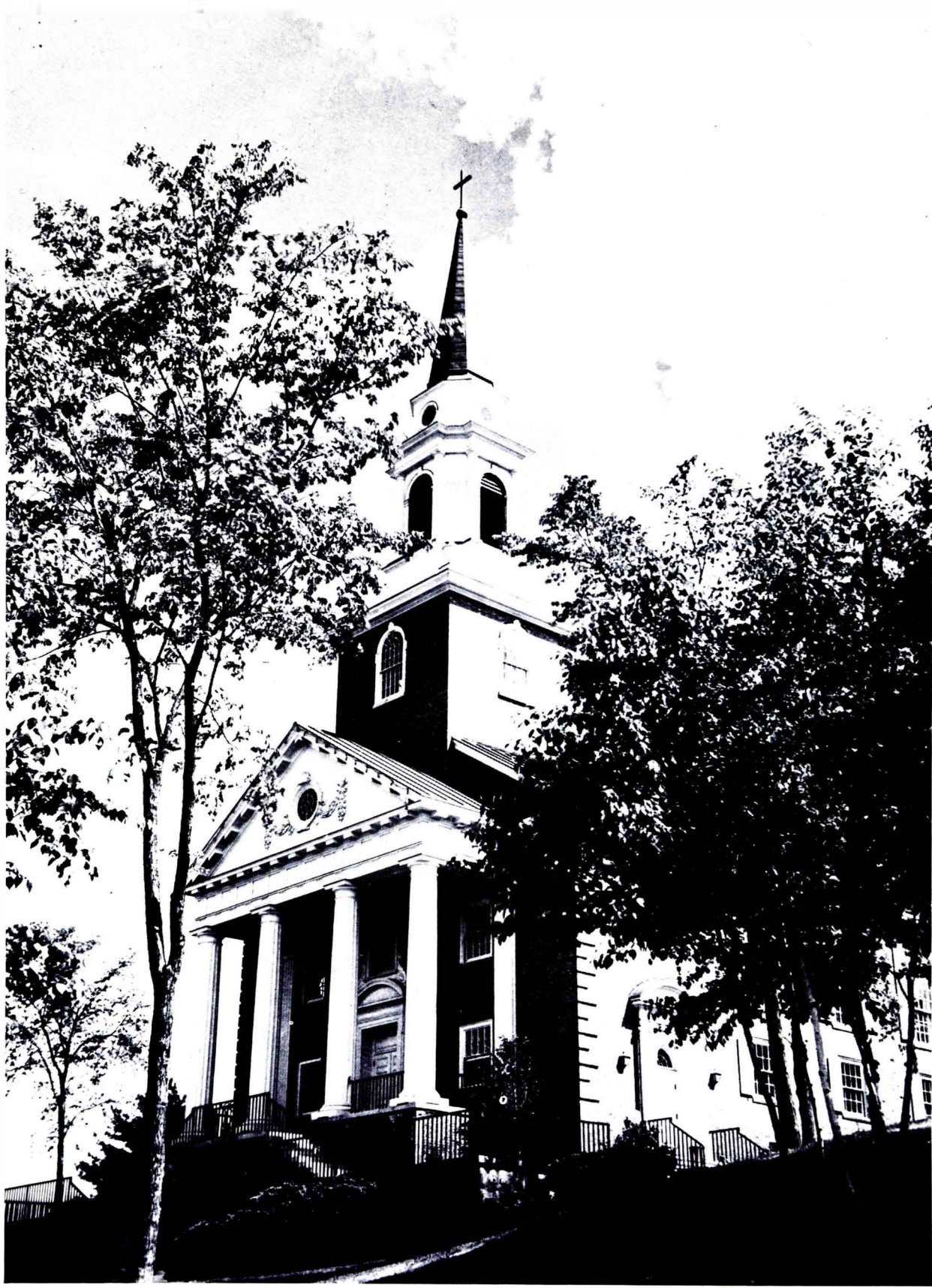
(1) Candidates submit applications provided by the admissions office prior to February 1 of the year admission is desired. A nonrefundable fee of \$20 accompanies each application.

(2) Colby grants early decision to well-qualified candidates who have made the college their first choice. Applicants submit application forms, junior or senior SAT's, and three achievement tests prior to January 15, and include the printed form requesting early decision. Early decision candidates may file regular applications to other colleges with the understanding that these will be withdrawn if the candidate is accepted on an early decision basis at Colby.

College notification of action is normally given within four weeks of the receipt of the completed application. Candidates who have not been approved for early decision are deferred to the college's regular admission plan and are reviewed without prejudice at the usual time in the spring.

The schedule for admissions applicants is:



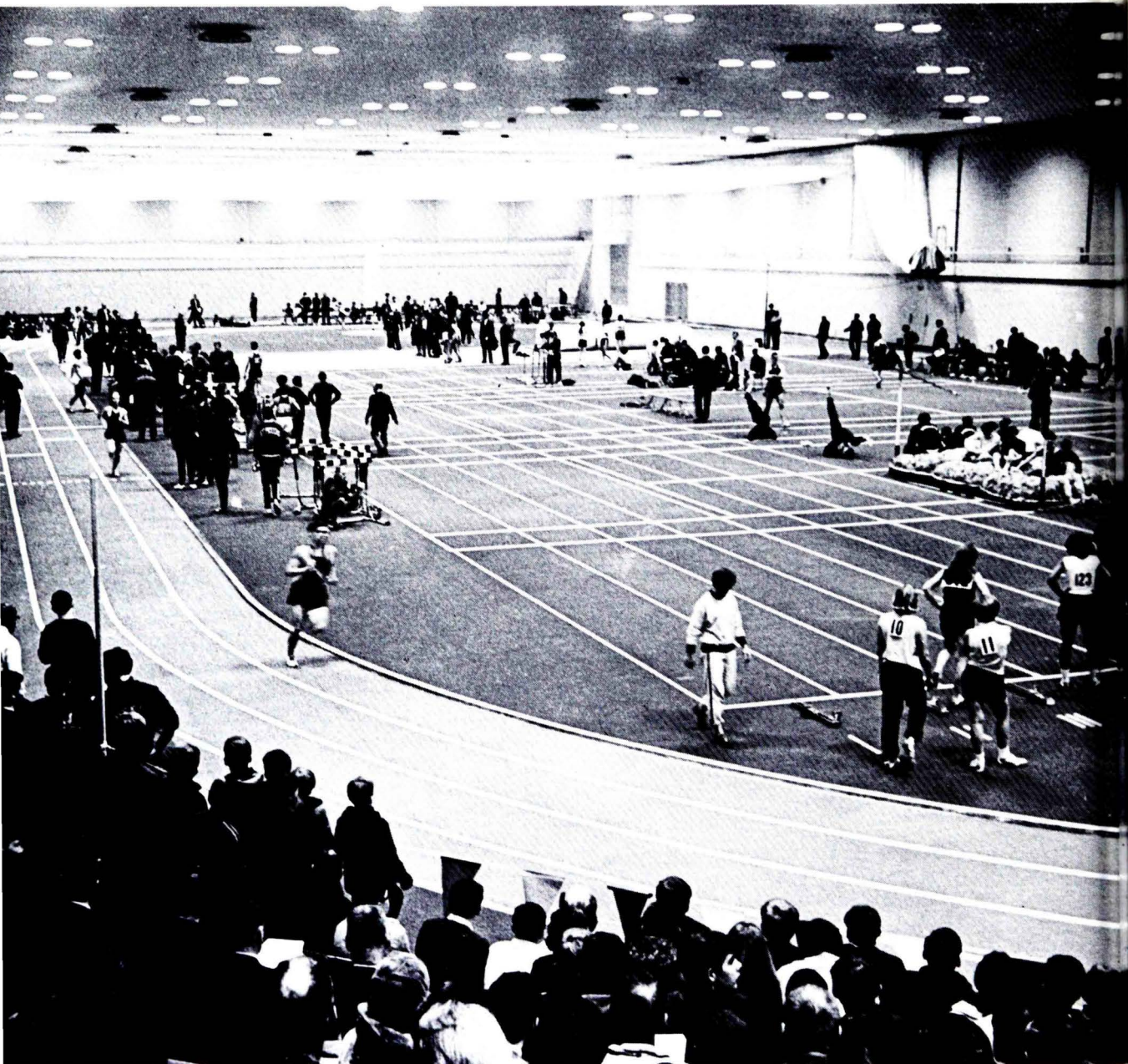


Lorimer Chapel

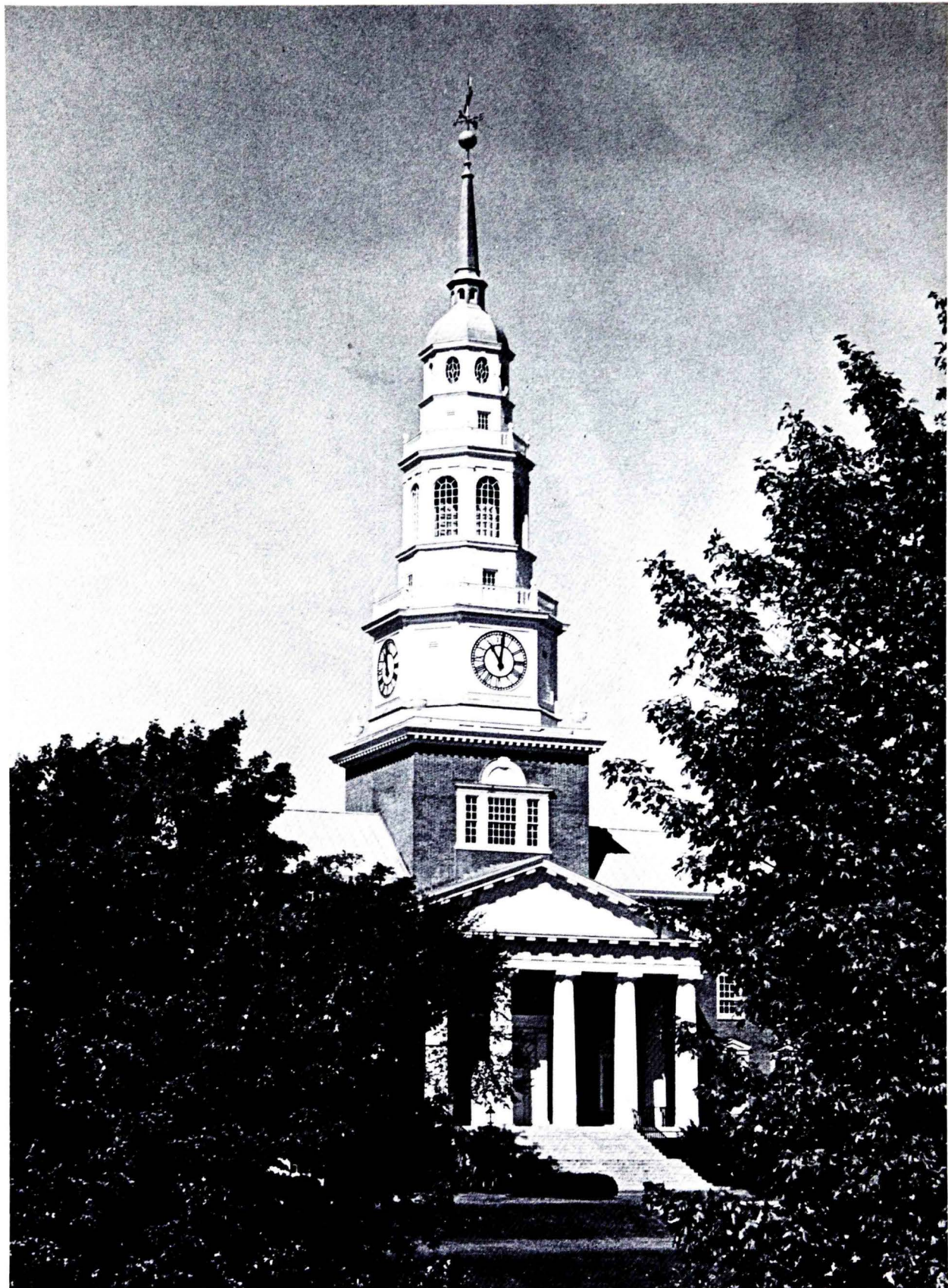
Award-winning dormitory complex



Championship meet, Fieldhouse









Across Johnson Pond



January 15: Deadline for filing for early decision and financial aid for early decision applicants.

February 1: Deadline for filing applications for regular admission and financial aid.

Mid-April: Notification of action by admissions committee to regular applicants.

May 1: Accepted regular applicants confirm intention to attend Colby by payment of an advance tuition deposit of \$200.

INTERVIEWS

Individual interviews, though not required, may be scheduled weekdays throughout the year at the admissions office except during the months of February, March, and April. Interviews may also be scheduled on Saturday mornings during the academic year when the college is in session. A group informational session is held at 10:30 on these Saturday mornings to accommodate visitors who were unable to obtain individual appointments.

Alumni interviews can be arranged for students who cannot visit the campus and would like some additional personal contact and information about the college.

CAMPUS VISITS

A visit to the campus is encouraged. Guides are normally available at the admissions office weekdays throughout the year and on Saturday mornings by appointment when the college is in session. Colby does not have overnight guest accommodations. Students occasionally make their own arrangements for lodging with a Colby friend or acquaintance. There are a number of motels near the campus, including a Howard Johnson's Motor Lodge and a Holiday Inn.

Colby is reached by auto from the Maine Turnpike and I-95; Waterville is serviced by Greyhound Bus and Air New England.

TESTS

All candidates are asked to submit the results of the Scholastic Aptitude Test and three achievement tests of the College Entrance Examination Board. The Scholastic Aptitude Test should be taken no later than December or January of the senior year. The achievement tests should include English composition; the others may be of the candidate's choice. A language achievement test for placement purposes may be submitted any time prior to registration in September. A

score of sixty on the language test meets the college language graduation requirement.

ADVANCED STANDING

Colby participates in the Advanced Placement Program of the College Entrance Examination Board, providing academic credit for students qualified for advanced standing. Those interested take CEEB advanced placement tests and have them submitted to Colby for evaluation. Students scoring four or five receive automatic placement and credit from the college. Scores of three and below are evaluated by the academic department concerned.

In addition to earning advanced placement credits, regularly enrolled students may earn credit by examination in freshman- or sophomore-level courses to a maximum of twelve hours. Departmental examinations or external examinations approved by the department may be used, with credit given for the equivalent of at least *C*-level work. The cost of each examination is borne by the student.

EARLY ADMISSION

A small number of students are admitted without completing the senior year of secondary school. This is done only upon the recommendation of the secondary school and when a candidate has exhausted the educational opportunities at the school. Considerations of academic and personal maturity are important to the candidate and to the college in earlier-than-usual admission.

TRANSFER STUDENTS AND VETERANS

First consideration in admission is for freshmen, but some transfer students are accepted each year. Admission by transfer is normally limited to those with satisfactory academic and personal records from accredited colleges or universities.

Transfer application forms, including a special recommendation form, may be obtained from the admissions office. Credits from accredited institutions are generally accepted for courses comparable to ones offered at Colby in which grades of *C* or better are received. No more than sixty transferred credit hours may be applied toward a Colby degree.

Veterans may request advanced standing consideration for completion of service schools or USAFI courses in advance of matriculation. Credit is not granted for military service or College Level General Educational Development Tests.

NONMATRICULATED
STUDENTS

Subject to limitation of enrollment in individual courses and the consent of the instructors, the college permits adults to enroll as nonmatriculated students. Such persons must present evidence that they are qualified to pursue the intended courses and pay the fee of \$165 per credit hour. Individuals sixty-five or older may audit a course without charge. Admission of nonmatriculated students is the responsibility of the dean of admissions.

HEALTH CERTIFICATE

Before matriculation, each student must present a health certificate, to be obtained from Colby and signed by a physician, including evidence of tetanus toxoid immunization within the last three years. A chest X ray and/or current Tine Test is also required. It is recommended that polio immunization be completed prior to entrance. Preregistration cannot be guaranteed unless all required forms are received two weeks prior to registration.

Orientation

An orientation program for freshmen and other new students is held each fall for several days before the beginning of classes. Designed to acquaint students with the intellectual and social life of the college, the program includes meetings with faculty and staff advisers, and placement examinations. A few days in advance of the orientation, a limited number of freshmen may participate in Maine wilderness trips conducted by upperclassmen and faculty members.

READING TESTS

Tests during orientation week determine levels of speed and comprehension. Students with low scores are offered assistance in a developmental reading program.

PLACEMENT IN MATHEMATICS

Interviews are scheduled for freshmen who have not taken the CEEB advanced placement examination in mathematics but who seek advice on placement in Mathematics 122 (Calculus II), 221 (Calculus III), or 241 (Elementary Statistics).

PLACEMENT IN FOREIGN LANGUAGES

The college language requirement for 1978-79 is met at entrance by a score of sixty or more on the CEEB language achievement test.

Students *continuing* a foreign language at Colby are placed on the basis of the CEEB achievement test in that language. They are expected to take that test in their senior year or the last year of study of the language at the secondary-school level. If they have not taken this test, or if more than one year has elapsed since the test was taken, and they wish to continue the study of the language, they must take the language placement test during the freshman orientation program. Those presenting two or more units for entrance continue in courses above the 121, 122 level, with the following exceptions:

- (1) If the last year of a student's study of the language was the sophomore year in high school, regardless of the number of years of previous study, he may enroll in 121, 122 for credit.
- (2) If a student has had two or more years of language work that terminated in the junior or senior year, he may repeat the language with credit only if the department determines, on the basis of the CEEB placement test, that the preparation received is not adequate for the 123, 124 level.

Fees and Financial Aid

| | | | |
|-----------------------------------|--|--|----------------------|
| ANNUAL STUDENT CHARGES 1978-79 | Tuition | | \$4,300 |
| | Board | | 970 |
| | Room | | 700 |
| | Dormitory Damage Deposit | | 15 ¹ |
| | General Fee | | 225 |
| | | | |
| <hr/> | | | |
| CALENDAR OF PAYMENTS 1978-79 | <i>Upon acceptance for admission</i> | Admission deposit — freshmen | \$ 200 |
| | <i>June 15</i> | Attendance deposit for first semester — upperclassmen | \$ 200 |
| FIRST SEMESTER | <i>On or before August 15</i> | One half of annual student charges for tuition, board, and room, plus the dormitory damage deposit and the general fee for the year (Note: Admission, attendance, and room deposits as paid may be deducted from this first semester payment; applicable miscellaneous charges should be included with the first semester payment.) | \$3,225 ³ |
| | <i>November 15</i> | First semester statement | |
| | <i>November 15</i> | Attendance deposit for second semester — all students | \$ 200 |
| SECOND SEMESTER | <i>On or before January 10</i> | One half of annual student charges for tuition, board, and room (Note: Second semester attendance deposit as paid may be deducted from this second semester payment; applicable miscellaneous charges should be included with the second semester payment.) | \$2,985 ⁴ |
| | <i>April 4</i> | Second semester statement | |
| | <i>April 4</i> | Room deposit for first semester of the following year | \$ 100 |

PAYMENTS MUST BE MADE IN ACCORDANCE WITH THIS CALENDAR OF PAYMENTS WHETHER OR NOT REMINDER NOTICES ARE RECEIVED FROM THE COLLEGE.

¹The dormitory damage deposit does not apply to residents of fraternity houses.

²Increases in costs may necessitate an adjustment in charges.

³Students who are permitted to eat or live off campus may deduct \$485 for board or \$365 for room and dormitory damage deposit from the amount due in advance of the first semester.

⁴Students who are permitted to eat or live off campus may deduct \$485 for board or \$350 for room from the amount due in advance of the second semester.

FEES AND CHARGES EXPLAINED

DEPOSITS *Admission Deposit—Freshmen:* A nonrefundable deposit of \$200 is due on or before the date for confirmation of intention to attend. This deposit is deductible from the first semester payment due August 15.

Room Deposit: All upperclass students must, in order to reserve a room for the first semester of the following college year, make a \$100 deposit on or before April 4. This deposit will be forfeited if the student does not return to college unless the room reservation is withdrawn on or before July 1.

Attendance Deposit for First Semester: A nonrefundable deposit of \$200 is required of all upperclass students on or before June 15 each year. Room reservations and places in their respective classes will not be held for students failing to make this deposit. For entering students, the \$200 admission deposit satisfies this requirement.

Attendance Deposit for Second Semester: A nonrefundable deposit of \$200 is required of all students on or before November 15 each year. Room reservations and places in their respective classes will not be held for students failing to make this deposit. The attendance deposit of a student who does not return to Colby will be retained as a credit on the student's account for one year. If the student does not return the following year, the deposit will be forfeited.

ADVANCE PAYMENTS *Tuition:* The tuition charge is \$2,150 per semester and must be paid prior to each semester in accordance with the calendar of payments. For schedules of fewer than nine hours, the tuition charge is \$165 per credit hour. Nonmatriculating students will be charged at the rate of \$165 per credit hour.

Board: Board in college dining halls is charged at the rate of \$485 per semester. (Increases in food costs may necessitate an adjustment in the board charge.) Payment must be made prior to each semester in accordance with the calendar of payments. All students living on campus are required to pay the board charge to the college.

Room: The room charge in college dormitories is \$350 per semester, payable prior to each semester in accordance with the calendar of payments. Students are expected to occupy college housing facilities to the full extent of their availability. Other arrangements may be made only with specific approval of the dean of students. Dormitory reservations are made through the office of the dean.

Dormitory Damage Deposit: All students living in college dormitories must pay a \$15 deposit prior to the first semester in accordance with the calendar of payments. All expenses resulting from damage to or loss of college property in the public areas of the dormitories (lounges, hallways, etc.) will be charged against these deposits except in cases where the responsible students can be identified. The unused portion of these deposits is refunded on a prorated basis at the end of the year. Liability for damage to or loss of college property located within individual dormitory rooms lies with the resident(s) of that room. Students living in college dormitories are required to enter into a room contract covering this liability.

General Fee: The general fee (compulsory for all students) is \$225 for the year and is payable in full prior to the first semester in accordance with the calendar of payments.

Student Activities: Included in the general fee is a sum allocated for the Student Association and such student organizations as it chooses to support.

Health Services: The general fee also supports the college health services. No additional fee is required for staff services in the student health center. Included in the general fee is sickness and accident insurance, which the college covers by separate contract with an insurance carrier. Nonboarding students are charged \$6 per day for meals in the infirmary. There may be additional charges for special diets ordered by the college physician.

SEMESTER STATEMENTS Charges for miscellaneous items not paid prior to registration are included on semester statements issued November 15 and April 4.

MISCELLANEOUS *Chemistry Laboratory:* A fee of \$20 per course is charged. Students enrolled in chemistry courses are also required to pay for excessive breakage or loss of apparatus.

Fraternity Fee: Fraternity members are charged a fee in excess of the room rent established for college dormitories. The fee, determined by each fraternity, applies whether or not the student resides in the fraternity house.

Applied Music: Students receiving musical instruction for academic credit under the applied-music program are charged a fee of \$70 for a one-credit course and \$120 for a two-credit course.

Developmental Reading: A \$25 fee is charged for the developmental reading course.

Telephone: Telephones are located in each room of the following dormitories and fraternity: Dana, Taylor, Sturtevant, and KDR. Each student living in these housing facilities is charged a fee of \$9.25 per semester for use of these telephones.

All students other than transfer and accelerating students are required to have paid to the college the equivalent of eight semesters full tuition before being granted a degree.

Students may have official transcripts mailed to other institutions, prospective employers, or other authorized agencies by completing the transcript request form available at the registrar's office. The fee for this service is \$1 for each transcript after the first. Official college transcripts are not delivered to students. A student may have an unofficial transcript upon request; the same regulations and fee apply.

PAYMENT OF BILLS

Tuition, board, room, dormitory damage deposit, general fee, and any other financial obligation to the college must be paid in full in accordance with the CALENDAR OF PAYMENTS (see previous pages) before a student is permitted to register or attend classes. Students excluded from classes under this rule for longer than ten days may be suspended from college for the remainder of the semester.

Plans providing for monthly payments at moderate cost are

available through the Insured Tuition Payment Plan, 53 Beacon Street, Boston, Massachusetts 02108, and Academic Management Services, Inc., P.O. Box 1000, Pawtucket, Rhode Island 02860.

The business office cannot permit deferred payment of any portion of the charges due prior to registration. Students and parents must deal directly with the assistant treasurer or treasurer concerning college bills. No other officers of the college have authority over their collection.

REFUNDS

In case of voluntary withdrawal, refund may be made of the balance of a student's account in excess of charges. The general fee is not refundable. Tuition, board, and room rent are charged according to the following schedule:

- During first two weeks of classes 20% charged
- During third and fourth weeks of classes 40% charged
- During fifth and sixth weeks of classes 60% charged
- During seventh and eighth weeks of classes 80% charged
- Thereafter 100% charged

A prorata charge for tuition, room, and board will be made to students who withdraw upon advice from the college physician.

Revised charges for students withdrawing from college will be paid from the following sources in this order: (1) from payments made by the student or the student's parents, (2) from outside scholarships and loans, if any, (3) from Colby loans and National Direct Student Loans, if any, (4) from Colby financial aid, if any. Any Colby aid not needed to cover revised charges will be removed from the student's account and not refunded.

Refunds of federally insured loans and Basic Educational Opportunity Grants are made in accordance with government regulations.

Whenever a student is required to withdraw because of unsatisfactory conduct, no refund will be made.

No refunds will be made to withdrawing students until the withdrawal process is completed.

OVERPAYMENTS

Credit balances on semester statements are ordinarily carried forward to the student's account for the following semester.

After semester statements have been issued, requests for refund of credit balances will be honored promptly. Participants in tuition payment plans may make special arrangements for earlier refund at the business office. Credit balances on the accounts of graduating seniors will be refunded automatically.

Refund is made directly to a student only upon written authorization directed through the mails to the business office by the person responsible for payment of the account.

Information concerning the status of a student's account may be obtained from the business office upon request.

FINANCIAL AID

Colby awards over two million dollars annually in scholarships, loans, and campus employment to students having financial need. A member institution of the College Scholarship Service (Princeton, New Jersey), Colby requires each financial aid applicant to submit a Financial Aid Form, the analysis of which determines student need within the context of the college's financial aid policy and schedule of student fees. Most accredited colleges and universities utilize the College Scholarship Service method of need analysis. Accordingly, the amount of expected parental contribution does not vary appreciably among colleges.

The primary obligation of financing a college education rests with the family of the student. Assistance is extended by the college to augment the family resources and ease the burden of the needy student. Because of fund limitations and Colby's commitment to meet the need of upperclass students, it may not be possible to extend offers of financial aid to all entering needy freshmen. The financial aid committee selects freshman aid recipients on the basis of need and academic and personal potential. Financial aid is renewable and is contingent upon continuing financial need as determined by analysis of the Financial Aid Form submitted each spring. Students who do not receive aid as freshmen should not assume that they can or will be aided during their upperclass years. While the college will attempt to assist students with need, fund limitations may preclude those not initially awarded aid. The college will not extend financial assistance in any form for more than eight semesters. No applicant is denied aid on the basis of race,

religion, national or ethnic origin, sex, or handicapped status. An applicant must first be admitted before his/her financial aid application is considered.

Colby's financial aid policy is determined by the financial aid committee of the college.

Financial aid at Colby, as at most colleges and universities, combines gift scholarships, loans, and jobs. Loans and jobs are termed "self-help."

GIFT SCHOLARSHIPS Gift scholarships, in the form of grants, total over \$1,500,000 and are derived from endowment income, gifts made possible by the generosity of alumni, trustees, friends, and foundations, as well as current income and federal government Supplemental Educational Opportunity Grants. (Only Kling scholarships for male descendants of Colonial America require special application beyond the Financial Aid Form, although Kling applicants must qualify on the basis of need, as well as verifiable ancestry.)

BASIC GRANTS Students applying for financial aid are also required to apply for a federal Basic Educational Opportunity Grant by checking the appropriate box on the Financial Aid Form. Application for a Basic Grant is free. If a student is eligible, the Basic Grant will be used as the foundation of any financial aid awarded by Colby.

TRAVEL ASSISTANCE Travel assistance is awarded to financial aid recipients, the amount to be established by the financial aid committee according to available funds. Travel assistance is credited directly to the student's account and may not be disbursed as cash unless a surplus remains in the student's account after all college bills are paid. Travel assistance is intended to release family funds normally allocated for college expenses, making those funds available for student travel expenditures.

SELF-HELP, CAMPUS EMPLOYMENT Self-help consists of low-interest student loans and/or campus work opportunities. Current financial aid policy describes freshman self-help as the first \$1,050 of total need. For upperclassmen, the first \$1,050 of need is self-help, and approximately \$75 in additional self-help is required for each \$250 of remaining need, to a possible maximum self-help of \$1,650.

A minimum need of \$1,250 is required for Colby gift-scholarship-award eligibility.

Financial aid recipients with larger self-help responsibility are offered one of 325 campus jobs assigned through the financial aid office. Campus student-work positions ordinarily do not exceed ten hours per week and, in any case, are governed by available hours in the employing department and the student's academic schedule. Freshmen are not offered campus jobs at any time during the freshman year. The freshman self-help requirement is purposely kept low to reduce the necessity for a job, thus permitting more time for study and adjustment to college life.

COLLEGE WORK-STUDY PROGRAM While a student may earn up to \$650 per year, the average is usually about \$550. As part of its student work opportunities, Colby administers a limited federal College Work-Study Program with funds appropriated to the college by the federal government. Pay for work-study jobs with nonprofit institutions, including the college and off-campus agencies, varies according to the skill and experience of the employee but is never less than the legal minimum wage.

SUMMER SAVINGS Earnings from summer jobs do not qualify as self-help but are considered a part of the annually evaluated family contribution. Students are expected to make every reasonable effort to secure summer employment for the purpose of defraying college costs. The following savings are expected: prefreshman, \$650; sophomore, \$750; junior and senior, \$800. Unless extenuating circumstances exist, the college will not adjust financial aid awards for shortfalls in student summer savings.

LOANS Loans are becoming a significant part of educational financing. Most financial aid recipients will need to borrow under one of several generous loan programs.

Many states administer guaranteed loans for students. Application is normally made through the applicant's hometown bank. Guaranteed Student Loans, which are federally insured and bear seven percent simple interest, have lenient repayment schedules, beginning ten months after termination of college. For students with lower adjusted family incomes, interest is paid by the federal government until postcollege repayment begins.

National Direct Student Loans, administered by the financial aid office, are designed to help students with a higher level of financial need. Available loan monies are contingent upon existing repayment experience and federal fund allocations. NDSL loans accrue three percent simple interest and have many of the same repayment features as the Guaranteed Student Loans described above. Repayment is deferred while the student is a full-time undergraduate or graduate student.

The college also administers a limited Colby Student Loan Program, designed to assist students with unusual circumstances. Questions on this or any other loan program should be directed to the financial aid office.

Failure to remit payments on educational loans administered by the college may result in the immediate suspension of administrative services by the college, including release of transcripts, recommendations, or other information not already prohibited by the Family Educational Rights and Privacy Act of 1974.

APPLICATIONS Applicants for admission and financial aid should arrange to have a completed Financial Aid Form (obtainable at most high school guidance offices) mailed to the College Scholarship Service, Princeton, New Jersey, by February 1 of the academic year preceding admission. Students applying for early decision and financial aid should have their Financial Aid Form filed as early as possible in the fall of the academic year preceding admission. Upperclass students file the Financial Aid Form annually in March.

Students applying for Colby College financial assistance should request the pamphlet *Student Financial Assistance at Colby College, 1978-1979*. In compliance with section 493A of the Higher Education Act of 1965, as amended, Colby College will forward information dealing with program eligibility and selection criteria, loan information, and employment guidelines.

Students and parents are encouraged to contact the financial aid office at any time with questions.

Campus Life

RELIGION

Colby College was founded by New England Baptists, and although it does not now maintain a formal relationship with any denomination, the college supports and encourages an ecumenical ministry on the campus.

The college chaplain acts as coordinator for the activities of a number of religious associations: Newman Club (Catholic), Hillel (Jewish), Canterbury Club (Episcopal), Colby Christian Fellowship (Evangelical Protestant), and Christian Science Organization. All of these groups use the sanctuary and social lounge of Lorimer Chapel. An interfaith committee organizes services and activities for Catholic and Protestant students. The Roman Catholic diocese of Portland provides the services of a chaplain for Catholic students, and the local rabbi and the rector of the Episcopal parish also carry on a campus ministry.

Each Sunday morning a student group, under the direction of the college chaplain, conducts an all-college worship service in the chapel. Music for this service and for special concerts is performed by the students of the chapel choir under the leadership of Adel Heinrich, associate professor of music.

The director of student activities sponsors a student volunteer corps whose members give time each week to work as Big Brothers and Big Sisters with children in Waterville and neighboring communities.

Many Colby graduates have entered the ministry, and the list of missionaries is especially impressive. The missionary tablet in the Rose Chapel testifies to the participation of Colby men and women in home and foreign missions for a century and a half.

LECTURES

Throughout the year, outstanding scholars, musicians, and artists visit the campus. The Winthrop H. Smith Visiting Scholars Program brings a speaker for two days to lecture, to talk in classes, and to meet informally with students and faculty. The Spencer Lecture, established in 1973, focuses on topics relating to world unity. The Clara M. Southworth Lecture considers subjects in environmental design. The Lovejoy Convocation annually honors a member of the newspaper profession "who has contributed to the nation's journalistic achievement." In addition to these established lectures,

speakers are invited by the Friends of Art at Colby, by student organizations, and by learned societies.

Among speakers in 1977-78 were Heather McHugh, poet and author; Thomas Williams, professor of English and novelist, University of New Hampshire; Marion Johnson, Center of West African studies, Birmingham University; John B. Carman, professor of comparative religion and director of The Center of the Study of World Religions, Harvard University; Hugo Adam Bedau, Austin B. Fletcher Professor of Philosophy, Tufts University; Will Hussung, actor, artist-in-residence, Colby; Norman Thomas di Giovanni, lecturer, University of Maryland, novelist; John Cole, editor; Maynard Thompson, Avalon Visiting Professor of Mathematics, Colby; Edwin Meadows, environmental coordinator; Arild J. Miller, Institute of Paper Chemistry; James Tate, poet; Robert W. Greene, Suffolk editor, *Newsday*; Alan S. Meltzer, associate professor of astronomy, Rensselaer Polytechnic Institute; Richard Wilson, professor of physics, Harvard University; Richard Hill, professor of mechanical engineering, University of Maine at Orono; Ward Halverson, senior staff scientist, Francis Bitter National Magnet Laboratory, Massachusetts Institute of Technology; Akira Matsui, teacher of Noh theater of Japan; Vishwanath Naravane, visiting professor of philosophy, Colby; David Braybrooke, professor of philosophy and politics, Dalhousie University; James Buchanan, University Distinguished Professor and general director, Center for Study of Public Choice, Virginia Polytechnic Institute and State University; Alan Gewirth, Edward Carson Waller Distinguished Service Professor of Philosophy, University of Chicago; Roger Howell, Jr., president, Bowdoin College; Ruth Adams, visiting Phi Beta Kappa lecturer, professor of English, Dartmouth College; Gary S. Becker, University Professor of Economics, University of Chicago; John Ashbery, poet.

MUSIC

Musical activities converge in the Bixler Art and Music Center, which contains rehearsal and practice rooms as well as the 400-seat Given Auditorium. Additional facilities for musical theater and opera are provided in the new Performing Arts Center, while the Alma Morrissette McPartland Music Shell permits the adaptation of Wadsworth Gymnasium for

large-scale choral and orchestral concerts. The Gould Music Shell, placed in a natural bowl on the northeast corner of the campus, is available for summer concerts.

Students are invited to participate (with or without academic credit) in the Colby Band, the Colby Community Symphony Orchestra, the Colby Glee Club, and the Lorimer Chapel Choir, all under faculty direction.

The Colby Trio, a professional chamber ensemble sponsored by the college, presents concerts on and off campus. There are also informal student groups: the Colby Eight, the Colbyettes, and others. A student chapter of the American Guild of Organists was formed in 1972.

Concerts by visiting artists are presented by the music department, by the Student Association, and by the Colby Music Associates, a student-college-community group, which arranges the Colby Music Series and contributes to musical life on the campus. In 1977-78 the series included performances by the Tokyo String Quartet, Ruth Laredo (pianist), the New Black Eagle Jazz Band, and Ani Kavafian (violinist).

Among other programs were concerts by John Tilbury (pianist), the Clarion Brass Ensemble, Oat Willy, Nils Lofgren, and Do'A. The Sunday Chapel Vesper Concerts offered recitals on the Walcker organ in Lorimer Chapel by the college organist and visiting artists. Several concerts were given by college musical organizations, faculty, and students at Friday Noonday Recitals and on other occasions.

ART

The Bixler Art and Music Center is the focal point for the college's art program. Continuous exhibitions of works selected from the permanent collection, as well as original and traveling shows, are to be seen in the Jetté Galleries of the Colby Museum of Art. The permanent collection features American and European painting, sculpture, and graphic art. Special collections are the Harold Trowbridge Pulsifer Collection of Winslow Homer Paintings and Drawings, the American Heritage Collection and the American Painters of the Impressionist Period Collection of Edith Kemper Jetté and Ellerton Marcel Jetté, the Helen Warren and Willard Howe Cummings Collection of American Art, the John Marin Collection, the Adelaide Pearson Collection, the Bernat Collection of

Oriental Ceramics and Bronzes, the Langenbach-Pepper Collection of Watercolors by Charles Hovey Pepper, the Weiss Collection of Jack Levine Graphics, and the William J. Pollock Collection of American Indian Rugs and Jewelry (Navaho and Zuni).

The 1977 loan exhibitions were *Paintings by Lois Dodd*, the work of Colby's visiting artist during the January program; the annual *Student Arts Festival Exhibition*; the *Faculty Exhibition*, showing paintings by Thomas Higgins and sculpture by Harriett Matthews; *The W. H. Coverdale Collection of Canadiana*, an exhibition of paintings, drawings, and watercolors prepared and circulated by the Public Archives of Canada; *Cesar Domela*, which consisted of wall reliefs and watercolors by this twentieth-century French artist; and *Fairfield Porter's Maine*, including paintings, watercolors, and drawings done between 1955 and 1975.

The Friends of Art at Colby, organized in 1959, make substantial contributions to the overall art program throughout the year.

The Archives of Maine Art, located at the Bixler Center, is a repository of information and documents about artists in Maine from the eighteenth century to the present.

In addition to the studio courses in the regular curriculum, workshops are maintained for extracurricular activities in ceramics, typography, weaving, and bookbinding.

In September 1973 a wing to the Bixler Center was opened. Built in response to the growing interest in art and music among students, alumni, and Friends of Art, it contains painting and sculpture studios and gallery space for exhibitions in the Museum of Art. Expansion into the wing made possible enlarged classrooms for art and music, and a library shared by both departments.

DANCE

Dance facilities are provided in Dunn Studio of the new Performing Arts Center. Guest artists during the 1977-78 season were the Pilobolus Dance Theatre group.

In residence for a week, sponsored by the Student Arts Festival, was Jody Oberfelder of the Phyllis Lamhut Dance Company. Ms. Oberfelder worked in conjunction with senior-scholar art-major Lee Roberts on his production of *Land-*

scapes, an evening concert of original music and choral scores, paintings, and dance with Ms. Oberfelder as guest artist.

The Colby Dancers instituted a fall concert for the first time in the 1977-78 season, with Assistant Professor Christine Mitchell-Wentzel performing Daniel Nagrin's reconstruction of his 1948 piece *Spanish Dance: An Impression of Flamenco Dance*. The dancers also gave their fifth annual concert in the spring.

PERFORMING ARTS

In addition to the courses in dramatic literature offered by the departments of classics, English, and modern languages, Colby provides courses and opportunities for practical experience in all the areas of theatrical production, as well as dance and music. The new Strider Theater and the Dunn Dance Studio serve as drama laboratories and performance centers.

The Strider Theater has a full stage, shop, makeup rooms, and rehearsal space; light and sound booths over the balcony command a full view of the stage.

Under the auspices of the performing arts program, three or four productions, with faculty supervision, are presented each year. The 1977-78 season offered *Desire Under the Elms*, with a professional actor-in-residence, three chamber plays by William Butler Yeats (*At the Hawk's Well*, *The Only Jealousy of Emer*, and *The Dreaming of the Bones*), *The Lady's Not for Burning*, and *The Three Penny Opera*.

Two dance concerts were also given by Colby students, and a performance by the Pilobolus Dance Theatre.

The student-directed drama club, Powder and Wig, presents each year a variety of productions. In 1977-78 these included *Adaptations*, *Plaza Suite*, *Birdbath*, *Sticks and Bones*, *Steam-bath*, *Stop the World; I Want to Get Off*, *The Bald Soprano*, and *Crawling Arnold*.

SPEECH AND DEBATE

A tradition of public speaking has resulted in the endowment of awards for oratory, public reading, and debate. Supplementing the course offerings in public speaking and oral reading, prizes are awarded annually in all the areas of the forensic arts. The program in debate places emphasis on current topics in on-campus competition.

FILMS

Film Direction brings films of high quality in various film genres. In addition, there are movies shown by the Student Association and films brought by other student organizations and departments.

RADIO COLBY

WMHB-FM is a student-operated station with a Class D non-commercial license from the Federal Communications Commission. With studios in Roberts Union, the station broadcasts throughout the day and evening.

FRATERNITIES AND SORORITIES

There are chapters of nine fraternities and two national sororities. Eight of the fraternities occupy separate houses on the campus, controlled by the administration and their prudential committees.

In order of founding, the fraternities are Delta Kappa Epsilon, Zeta Psi, Delta Upsilon, Phi Delta Theta, Alpha Tau Omega, Lambda Chi Alpha, Kappa Delta Rho, Tau Delta Phi, and Pi Lambda Phi. The sororities, Sigma Kappa (founded at Colby) and Chi Omega, maintain chapter rooms in Runnals Union.

The board of trustees requires that fraternities and sororities select members without regard to race, religion, or national origin. Hazing of any kind is prohibited.

STUDENT ORGANIZATIONS

More than fifty student organizations are chartered by the college. Academic societies are Sigma Delta Pi (Spanish honor society), Chi Epsilon Mu (chemistry), Delta Phi Alpha (German), and Pi Sigma Alpha (political science). Student publications include the weekly newspaper, *The Colby Echo*; the yearbook, *The Oracle*; as well as occasional journals devoted to art, literature, and photography.

Service organizations are the Big Brother/Big Sister Program and the Panhellenic Council.

Other groups include the Chess Club, Colby Outdoor Orientation Trips, Colby Photographers, Dance Group, Deutschklub, Environmental Council, French Club, International Relations Club, Karate Club, Los Subrosa (Spanish club), Outing Club, Rugby Club, Ski Patrol, Student Organization for Black Unity, Women's Organization, and Yachting Council.

There are other clubs and societies described under appropriate catalogue headings. In addition, each class acts as an organization, with elected officials. All organizations and clubs, and many of the campus activities, including film, lecture, and concert series, are funded through the Student Association. In addition, students are appointed by the Student Association to serve on college committees.

General Regulations

All students are responsible for knowledge of the regulations in the *Student Handbook* and in the annual catalogue. The handbook covers academic, administrative, and social regulations.

The college reserves the right to dismiss any student whose presence its officers believe to be detrimental to its general welfare.

Although authority regarding discipline is the ultimate responsibility of the dean of students, most cases requiring discipline of students are turned over by him to the proper judicial board. A student judiciary board consisting of twelve members assists in the enforcement of nonacademic rules and regulations of the college. A student may appeal a finding of the student judiciary board to a faculty appeals board, which also hears appeals stemming from disciplinary action for academic infractions.

ATTENDANCE

Students are expected to attend classes regularly and are held responsible for all work done in any class from which they are absent. Each student is, however, permitted at least two unexcused absences from each course in any semester. The maximum number allowed, if beyond two, is determined by individual instructors. Each instructor explains at the first meeting of every semester what constitutes unsatisfactory attendance in his class. Any student whose attendance the instructor judges to be unsatisfactory is warned by the dean of students. Flagrant repetitions may lead to dismissal from the course without credit. For abandoning a course without permission, the student shall receive an *F*.

Official excuses for absence are granted only by the deans of students, and only for (1) critical emergencies, (2) athletic or other organizational trips, or (3) illness certified by the college physician or his authorized representative.

Medical excuses are issued only to students who fall within one of three classifications: (1) those confined to the college infirmary or hospital because of illness or surgery, (2) students treated by the medical staff at the infirmary or hospital, (3) students visited by the college physician in dormitories or other places of residence. Medical excuses are not granted

on a retroactive basis unless one of these classifications is satisfied.

All excuses from hour exams must come from the infirmary or, in cases of critical emergency, from the deans of students.

Absences caused by exclusion from classes because of non-payment of college bills are treated in the same manner as other absences, except that the dean of students has the authority to issue an official excuse when convinced that no fault lies with the student.

No student on academic probation may be excused from any class because of extracurricular or athletic activities.

BEHAVIOR

The administrative officers of the college have a responsibility for maintaining and encouraging an atmosphere on campus consonant with the college's function as a community of students and teachers.

The trustees have delegated to various sectors of the college, including the Student Association, extensive autonomy in the conduct of student affairs. Colby College assumes that those who accept admission to the student body are able and willing to conduct themselves with the maturity consistent with this responsibility. Each student retains the right to organize his own personal life and behavior within the standards agreed upon by the college community, so long as he does not interfere with the rights of others or with the educational process.

The college respects the laws and ordinances of the civil jurisdictions within which it lies. It does not stand in loco parentis for its students, nor is the campus to be considered a sanctuary from civil law.

The college has always encouraged temperance in the use of alcoholic beverages. The laws of the State of Maine forbid possession of alcoholic beverages by any person under the age of twenty. Where drinking leads to disruptive behavior, a student faces sanctions.

The college does not tolerate violations of federal or state drug laws. Such violations may result in dismissal.

HEALTH POLICY

Physicians in the Colby College health services treat students on the same basis as community physicians treat the patients under their care.

The college feels that the best interests of students are served by having full medical counseling and treatment from physicians thoroughly informed about personal medical history.

The college respects the rights of these physicians to use their professional judgment in meeting the health needs of students.

Upon recommendation of the college physician, the college reserves the right to require a student to withdraw for medical reasons. If, in the doctor's opinion, a student becomes unable to carry on normal student functions, or when his presence is or may become a hazard to himself or others, withdrawal will be required. Following any medical withdrawal, recommendations from an attending physician may be required before the student is readmitted to the college.

The officers, faculty, and medical staff of the college reserve the right to refuse to divulge information regarding a student's psychological or psychiatric condition or matters of an intimate nature without the student's authorization.

SPECIAL DIETS

Short-term arrangements are made for special diets at the request of the college physician. A meatless substitute is provided at all meals.

AUTOMOBILES

For a number of reasons, including the desire to preserve the natural quality of the campus environment, parking lots are limited in number and size. Having a car at Colby therefore has its inconveniences as well as conveniences.

Students, faculty, and staff are assigned lots according to their place of residence or work, and are discouraged from using their cars simply to move about campus.

Penalties for illegal parking or operation on campus are necessarily severe, and, after a small number of violations, a student may lose his privilege to have a car on campus. The annual registration fee for a car is \$20. An adjustment is made in the financial aid package of aid recipients who choose to register a car on campus.

Details of rules relating to the use of motor vehicles may be found in the *Student Handbook*.

HOUSING AND STUDENT LIVING Students are housed in twenty-six living units: eighteen college residences (some of them coeducational) and eight fraternity houses. All freshmen not living at home or with relatives are required to live in college housing as assigned by the dean of students office. Individual dormitories have broad social autonomy, including control over such matters as parietal hours and quiet hours. These regulations are reviewed by each residence unit in the fall. The college has charge of the maintenance and security of its buildings.

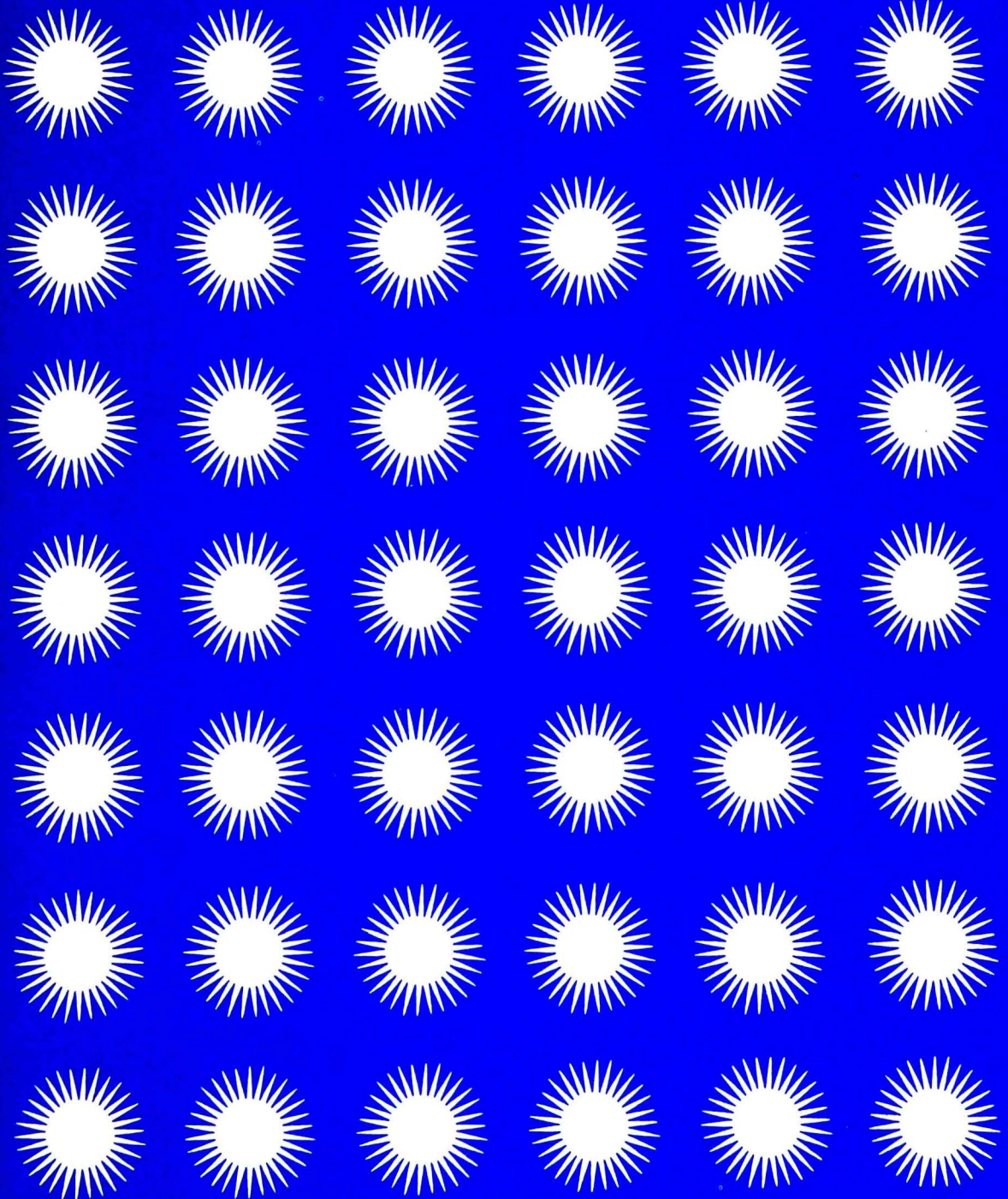
In special circumstances, limited numbers of upperclass students are permitted to live off campus, with permission from the dean of students.

STUDENT RECORDS

Colby complies with the Family Educational Rights and Privacy Act of 1974, which establishes the right of students to inspect and review their education records and provides guidelines for the correction of inaccurate or misleading data. Complete guidelines used by the college for compliance with the act are printed in the *Student Handbook* and may be obtained at the dean of students office.

II

Divisions, Departments, and Courses of Study



II DIVISIONS, DEPARTMENTS, AND COURSES OF STUDY

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Divisions, Departments, and Courses of Study

Descriptions of major programs can be found as follows: (1) *departmental*, with the appropriate department; (2) *those combining two departments*, with the division of the first-named department; (3) *interdivisional*, in section on interdisciplinary studies; (4) *independent*, in section on the academic program.

Courses are offered within four divisions:

DIVISION OF
HUMANITIES

Courses in the departments of *Art*; *Classics*, including classics in English translation, Greek, and Latin; *English*; *Modern Foreign Languages*, including Chinese, French, German, Japanese, Linguistics, Portuguese, Russian, and Spanish; and *Music*.

DIVISION OF
SOCIAL SCIENCES

Divisional courses in *Education* and courses in the departments of *Administrative Science*; *Economics*; *History and Government*; *Philosophy and Religion*; *Psychology*; and *Sociology*.

DIVISION OF
NATURAL SCIENCES

Courses in the departments of *Biology*; *Chemistry*; *Geology*; *Mathematics*; and *Physics and Astronomy*.

DIVISION OF
PHYSICAL EDUCATION
AND ATHLETICS

Courses in *Physical Education*.

In the departmental statements following, members of the active faculty for the academic year 1977-78 are listed.

Division of Humanities

Chairman, PROFESSOR HOLLAND

INTERDEPARTMENTAL MAJORS

Interdepartmental majors are offered in classics-English and classics-philosophy. Attention is also called to interdisciplinary majors in American studies, East Asian studies, and studies in western civilization.

Requirements for the major in classics-English:

In classics: either three years of Latin in courses numbered 200 or higher or three years of Greek.

In English: six semester courses approved by the departments.

Requirements for the major in classics-philosophy:

In classics: either three years of Latin in courses numbered 200 or higher or three years of Greek, subject to departmental approval.

In philosophy: Philosophy 112; 133 or 211; 331, 332; 491 or 492.

For each of the above majors, at least one independent January program is required to be taken in the major during the junior or senior year. For the major in classics-philosophy, a second Independent Study 491 or 492, of at least three hours credit, may be substituted for this requirement but cannot be used to satisfy course requirements for the major.

The point scale for retention of each of the above majors applies to all courses that may be credited toward the major. All requirements for the major must be met in conventionally graded courses.

ART

Chairman, PROFESSOR CARPENTER

Professors Carpenter and W. Miller; Associate Professor Matthews; Assistant Professor Higgins; Instructor M. Miller¹.

Requirements for the major in art:

Art 121, 122, 161; at least nine credit hours chosen from 271, 311, 312, 314, 316, 317, 352, 356, 358; additional courses in art to bring the total to 29 semester hours; at least six semester hours chosen from other fields of study related to the individual student's interests within the major (e.g., history, philosophy, music, English). These courses should be selected with the advice and approval of the student's adviser in the sophomore or junior year.

At least one January program is required to be taken in art, either as a group or an individual topic.

The point scale for retention of the major applies to courses taken in the department. All requirements for the major must be met in

conventionally graded courses. A departmental examination is to be passed in the senior year.

Attention is called to the interdisciplinary major in American studies and studies in western civilization.

¹Part-time.

CLASSICS

Chairman, ASSOCIATE PROFESSOR WESTERVELT

*Associate Professors Westervelt and D. Koonce*¹; *Taylor Lecturer Lupher*.

Requirements for the major in classics:

Two courses numbered 200 or higher in Greek or Latin. Six additional courses selected from at least two of the following categories: two or more courses numbered 300 or higher in the ancient language elected above; two or more courses in ancient history; two or more courses numbered 200 or higher in the other ancient language; two or more courses elected from Classics 232, Classics 234, Art 311, Philosophy 331, or the equivalent.

Attention is called to interdepartmental majors in classics-English and classics-philosophy, and to the interdisciplinary major in studies in western civilization.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all courses in the department. All requirements for the major must be met in conventionally graded courses.

¹On leave second semester.

ENGLISH

Chairman, PROFESSOR ARCHIBALD

*Professors Strider, Benbow, Sutherland, Curran, MacKay, Suss*¹, and *Archibald*; *Associate Professors Witham, Brancaccio*¹, *H. Koonce*¹, *Sweney, C. W. Bassett, E. Kenney, and Mizner*; *Assistant Professors S. Kenney*², *Harris, Mannocchi, Maramarco, and Sadoff*; *Instructor G. Johnson*; *Lecturers Onion*², *Sanborn*³, *Walker*², *Sewell, and Neinstein*².

Requirements for the major in English and American literature:

English 221, 222, 251, and eight courses numbered 300 or higher. At least three of these must be courses in which the major focus is upon literature written before 1800, and at least three must be courses in which the major focus is upon literature written after 1800.

At least one January program must be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all English courses that may be used to fulfill major requirements. All requirements for the major must be met in conventionally graded courses.

Students planning to continue the study of English in graduate school should confer with their advisers to be sure that they have planned a substantial and adequate curriculum. They should be proficient in at least one foreign language. Most universities require two languages, and some require a classical language as well. Work in classical or foreign literature, history, philosophy, art, music, and some of the social sciences reinforces preparation in the major and enhances one's chances of success in graduate study.

The department encourages interdepartmental and interdisciplinary studies, and supports programs in American studies, Black studies, performing arts, and studies in western civilization.

¹On leave second semester.

²Part-time.

³Part-time second semester.

MODERN FOREIGN LANGUAGES

Chairman, PROFESSOR HOLLAND

*Professors Bundy, Holland, Schmidt, and Cauz*¹; *Associate Professors Kueter, Filosof, Ferguson, and Labat*; *Assistant Professors P. Doel, Weiss, Sherard, McIntyre, Oudin, Reiter, Ramirez, and Snyder*; *Instructor Plasencia*; *Lecturers Jackson*² and *Doan*³.

Achievement test: If a student offers a foreign language for entrance credit and wishes to continue it in college, he must either have taken the CEEB achievement test in the language or take the placement test during freshman orientation.

Note: In addition to the following major programs, the department also offers instruction in Chinese, Japanese, Portuguese, and Russian.

Requirements for the major in French:

OPTION 1, French literature: French 231 and at least seven additional semester French courses numbered above 142.

OPTION 2, French language, history, and culture: French 231 and at least four additional semester French courses numbered above 142 and four semester courses to be selected from one of the following areas. *Area 1*, social sciences: History 137, 138, 245, 246, 352, 355, 358; Government 234, 321, 322, 357; Economics 333, 372, 381, 382, 392. *Area 2*, humanities: Art 314, 316, 317; History 352; Music 231, 233; Philosophy 236, 374. It is recommended that French 223, 224 (required) be taken during the sophomore year.

Requirements for the major in German:

Eight semester courses numbered above 124.

Requirements for the major in Spanish:

Spanish 232 and at least seven additional semester Spanish courses numbered above 128.

The following statements apply to the majors in French, German, and Spanish.

- (1) The point scale for retention of any major within the department is based on courses in the major language only.
- (2) No more than the equivalent of four semester courses of foreign study or transfer credit may be counted toward the major.
- (3) All majors in the department, including students returning from foreign study, must take at least one course in the major, approved by his adviser, each semester until graduation.
- (4) Courses numbered 499 may not be counted toward the major.

Teacher certification: Students desiring certification for teaching any of the above languages must take Modern Foreign Languages 411, and may in some cases be required to take other specified courses.

¹On leave second semester.

²Part-time.

³Part-time first semester only.

MUSIC

Chairman, PROFESSOR ARMSTRONG

Professors Ré¹ and Armstrong²; Associate Professor Heinrich; Assistant Professors D. Reuman³ and Machlin.

Requirements for the major in music:

Music 171, 172, 211, 216, 217, 271; at least nine additional basic credit hours in music courses, of which at least three hours must be in courses numbered 400 or higher. Majors are urged to complete Music 172 not later than the end of the sophomore year. Some skill at the keyboard is required of all majors; consult the department. Students wishing to pursue graduate study in musicology are advised that a reading knowledge of French and German is a general requirement for such study.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all courses in music history and theory. All requirements for the major must be met in conventionally graded courses.

Attention is called to the interdisciplinary majors in American studies and studies in western civilization, and to the program in performing arts.

¹Acting chairman second semester.

²On leave second semester.

³Part-time.

Division of Social Sciences

Chairman, PROFESSOR R. REUMAN

INTERDEPARTMENTAL MAJORS

Interdepartmental majors are offered in administrative science-mathematics, economics-mathematics, philosophy-mathematics, and psychology-mathematics. Attention is called also to interdisciplinary majors in American studies, East Asian studies, studies in human development, and studies in western civilization.

Requirements for the major in administrative science-mathematics:

In administrative science: 221, 222, 321, 322, 352, 413, 494; and Economics 131, 132.

In mathematics: at least 18 credit hours, including 221, 222; either 241, 242 or 381, 382; at least six hours must be at the 300 or 400 level.

Psychology 111, 211, and Sociology 121, 122 are recommended but not required.

At least one independent January program is required to be taken in the major during the junior or senior year. At least one junior or senior January program must be approved by the mathematics department.

Requirements for the major in economics-mathematics:

In economics: 131, 132, 233, 234, 394, and three additional semester courses numbered 300 or higher. Also required is a satisfactory percentile rating in the undergraduate-program field test in economics, given in the spring of the senior year.

In mathematics: 221, 222, 381, 382, and two additional courses numbered 300 or higher.

At least one independent January program is required to be taken in the major during the junior or senior year. At least one junior or senior January program must be approved by the mathematics department.

Requirements for the major in philosophy-mathematics:

In philosophy: 112 and either 133 or 211; 258, 331, 332; and one further course in the department.

In mathematics: at least 18 credit hours, including 221, 222, 361.

At least one independent January program is required to be taken in the major during the junior or senior year. At least one junior or

senior January program must be approved by the mathematics department. Philosophy 491 or 492, of at least three hours credit, may with approval be substituted for a January program but cannot also be used to satisfy course requirements for the major.

Requirements for the major in psychology-mathematics:

In psychology: 111, 371, 479, and nine additional hours, to include at least two of the following courses: 231, 232, 272, 273, 274.

In mathematics: 241, 242 or 381, 382; at least 12 additional credit hours, of which six must be at the 300 or 400 level.

At least one independent January program is required to be taken in the major during the junior or senior year. At least one junior or senior January program must be approved by the mathematics department.

The point scale for retention of each mathematics combination major applies to all courses offered toward the major. All requirements for the major must be met in conventionally graded courses.

Students should consult one of the advisers before planning to enter one of these majors and should register for the first course in mathematics in the freshman year.

ADMINISTRATIVE SCIENCE

Chairman, PROFESSOR W. ZUKOWSKI

Professor W. Zukowski; Associate Professor Knight; Assistant Professor Clarey; Instructor Samuel.

Requirements for the major in administrative science:

Administrative Science 221, 222, 321, 322, 413, 494; two semesters of mathematics; Economics 131, 132; two semesters of psychology or Sociology 121, 122 (although only one of the latter two course sequences is required, it is recommended that both be completed); and two semester courses selected from the following: Mathematics 241, 242, 243, 244; Economics 233, 234; or any additional courses in administrative science.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all administrative science courses taken and to Mathematics 241, 242, 243, 244, and Economics 233, 234, where these courses are used to satisfy major requirements. All requirements for the major must be met in conventionally graded courses.

Students planning graduate work in administration should consult the chairman of the department early in their college career.

Attention is called to the interdepartmental major in administrative science-mathematics.

ECONOMICS

Chairman, PROFESSOR HOGENDORN

Professors Pullen, Hogendorn, and Gemery; Associate Professors Meehan and Tietenberg; Assistant Professor Hagens; Instructor Dooley; Lecturers Joseph¹ and R. Parker².

Requirements for the major in economics:

Economics 131, 132, and 30 additional credit hours in economics, including Economics 233 (for class of 1980 and subsequent classes) and 234. Also required is a satisfactory percentile rating in the undergraduate-program field test in economics, given in the spring of the senior year. Administrative Science 221, 222 or 321, 322, and Mathematics 241, 242 or 381, 382 may be substituted for 12 of the 30 credit hours in advanced economics required for the major.

Students who wish to be recommended for graduate work in economics are urged to elect Economics 394 and 431. A knowledge of mathematics through calculus and statistics is essential.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies only to courses in economics, except that Administrative Science 221, 222 or 321, 322 and Mathematics 241, 242 or 381, 382 will be counted if substituted for courses in advanced economics in fulfilling the major requirement. All requirements for the major must be met in conventionally graded courses.

Attention is called to the interdepartmental major in economics-mathematics, and to the honors program (see description under Economics 491, 492).

¹Part-time second semester only.

²Part-time second semester.

EDUCATION

Director, PROFESSOR JACOBSON

Professor Jacobson; Assistant Professor M. Maurinac¹.

Colby offers a three-year interdepartmental program of courses and field experiences that meets the minimal requirements for secondary-school-teacher certification in the fields of English, social studies, science, mathematics, Latin, American studies, environmental studies, and modern foreign languages. For those students interested in elementary-school-teacher or special-education certification, the sophomore and junior courses may be taken at Colby, and the balance of the program completed elsewhere. For those students who wish to defer their education courses, many graduate schools offer the Master of Arts in Teaching program, which includes a paid

teaching internship and regular courses leading to not only the M.A.T. degree but a teaching certificate in the state.

Required program of studies:

Sophomore year: Education 213 and either 253 or 254; Psychology 252. *Junior year:* Philosophy 333; Education 336 and either 353 or 354. *Senior year:* Education 441, 442, 453, and full-time teaching during January. (English 411 or Modern Foreign Languages 411 is required of students who desire to teach those subjects.)

Guidance and counseling services are available in the office of education, 114 Lovejoy Building.

¹Part-time.

HISTORY AND GOVERNMENT

Chairman, PROFESSOR A. MAVRINAC

Professors A. Mavrinc, Gillum, Raymond, and Weissberg; Associate Professors Berschneider and Bridgman; Assistant Professors Kany, Maisel, and Hauss; Instructors Feigon, Haley, and Kirkpatrick.

The department offers majors both in history and in government.

Requirements for the major in history:

Twelve semester courses in history, of which up to two may be in ancient history. Majors in history planning to do professional work in history are encouraged to enroll in a senior seminar, but this is not required. A comprehensive examination is to be passed in the senior year, given on a major field in which the student has taken at least four semester courses, at least two of which are at the 300 or 400 level, and a minor field of two different subjects, at least one of which is at the 300 or 400 level. 100-level courses may not be offered for the comprehensive examination; a two-semester sequence may be offered only in its entirety. The fields of history from which a major or minor field may be chosen are American, Afro-American, English, European, and East Asian.

At least one January program is required to be taken in the major.

The point scale for retention of the major applies to all courses in history. With the exception of History 111, 112, all requirements for the major must be met in conventionally graded courses.

Requirements for the major in government:

Ten semester courses in government. Students are expected to take at least one semester course in government numbered in the 400's. A comprehensive examination is to be passed in the senior year.

The point scale for retention of the major applies to all courses in government. All requirements for the major must be met in conventionally graded courses.

PHILOSOPHY AND RELIGION

Chairman, PROFESSOR R. REUMAN

Professors R. Reuman, Todrank, F. Parker¹, and Hudson; Visiting Professor Naravane²; Associate Professor McArthur; Assistant Professors Thorwaldsen and Longstaff³; Instructor Williams.

Requirements for the major in philosophy:

Philosophy 112, 211, 331, 332, 353, and 12 additional hours in philosophy, only six of which may be in 100-level courses.

Requirements for the major in philosophy and religion:

Religion 223, 224, 316, 311, 312. Philosophy 112, 211, 331, 332, 372, 373.

Requirements for the major in religion:

Religion 121, 122, 223, 224, 311, 312, 316, and two additional courses in religion, at least one of which must be at the 300 level or higher.

While Philosophy 372 and 373 are not required, they are highly recommended and may be used to satisfy the requirement of two additional courses in religion.

For each of the above majors, at least one independent January program is required to be taken in the major during the junior or senior year. Philosophy or Religion 491 or 492, of at least three hours credit, may be substituted for this requirement but cannot also be used to satisfy course requirements for the major.

A maximum of two courses may be taken on a pass/fail basis in partial satisfaction of the requirements of any of the above majors. Effective with the class of 1981, no specifically prescribed course may be taken on a pass/fail basis to satisfy major requirements. The point scale for retention of each of the above majors applies to all other courses that count toward the major.

Attention is called to interdepartmental majors in philosophy-mathematics and classics-philosophy (see list of requirements under Division of Humanities), and to the interdisciplinary majors in studies in human development and studies in western civilization.

¹On leave second semester.

²Second semester only.

³On leave full year.

PSYCHOLOGY

Chairman, PROFESSOR ROHRMAN

Professors E. P. Johnson, Gillespie, Jenson, Perez, and Rohrman; Associate Professor Zohner; Assistant Professors Lester and Skowbo.

Requirements for the major in psychology:

Biology 121, 122; Psychology 111, 214, 479, 494, and 20 additional hours in psychology.

The point scale for retention of the major applies to all courses offered toward the major, as prescribed above. All requirements for the major must be met in conventionally graded courses.

Attention is called to the interdepartmental major in psychology-mathematics and to the interdisciplinary major in studies in human development.

SOCIOLOGY

Chairman, PROFESSOR BIRGE

*Professors Birge and Geib*¹; *Associate Professor Rosenthal*; *Assistant Professors R. Doel, Morrione*², *Rose, and Rysman*.

Requirements for the major in sociology:

Sociology 121, 122, and 24 additional hours in sociology, including Sociology 311 and one course selected from 313, 318, 338; any combination of four courses selected from history, government, psychology, and economics. A written or oral comprehensive examination is to be passed by majors who do not take Sociology 401, 402.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all courses in sociology. At least 30 hours of sociology credit must be earned in conventionally graded courses.

Attention is called to the interdisciplinary major in studies in human development.

¹On leave first semester.

²On leave full year.

Division of Natural Sciences

Chairman, ASSOCIATE PROFESSOR SMALL

INTERDEPARTMENTAL MAJORS

Interdepartmental majors are offered in geology-biology and geology-chemistry. Attention is also called to the interdisciplinary major in environmental studies.

Requirements for the major in geology-biology:

In geology: 141, 142; 215, 311; six additional credit hours numbered 200 or higher.

In biology: 121, 122, 271; 12 additional credit hours.

Other courses: Chemistry 141, 142; Mathematics 121 and one additional mathematics course numbered above 121. Physics 121, 122 is recommended.

A comprehensive examination is to be passed in the senior year in either geology or biology.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all courses in geology and biology.

Requirements for the major in geology-chemistry:

In geology: beginning in the sophomore year, 215, 241, 242, 381, 382.

In chemistry: 141, 142, 331, 332, 341, 342; Physics 121, 122; Mathematics 121, 122.

Students should consult one of the major advisers regarding election of languages and other required courses in the freshman and sophomore years.

The point scale for retention of the major applies to all courses in geology and chemistry.

Requirements for the major in physics-mathematics (discontinued effective with the class of 1981):

In physics: 121, 122, and four additional semester courses as approved. Most physics courses have prerequisites or corequisites in mathematics.

In mathematics: 121, 122, 221, 222, 311, and one additional semester course as approved.

Note: If advanced placement or credit is given in either department, additional courses must be selected from that department to a total of 18 credit hours or more.

The point scale for retention of the major applies to all courses in physics and mathematics.

BIOLOGY

Chairman, PROFESSOR BENNETT

Professors Terry and Bennett; Associate Professors Easton and Fowles; Assistant Professors Champlin, Firmage, Muller, and Cole.

Requirements for the major in biology:

Two semesters of mathematics, including 121 (students who enter with Mathematics 121 or equivalent are required to take one semester of mathematics); Chemistry 141, 142; 32 hours in biology, including 121, 122, 271, 272, 301, 302 (substitutions may be made with departmental approval); one additional year of science other than biology. Chemistry 447 or 467 may be credited towards the biology major. The comprehensive examination in the major is to be passed in the senior year.

The point scale for retention of the major applies to Chemistry 141, 142, the required course(s) in college mathematics, and all courses in biology. All requirements for the major must be met in conventionally graded courses.

Biology 121, 122, 271, and 272 constitute a core program and are normally prerequisite to all higher-numbered biology courses. With special permission of the department, a student may arrange to take Biology 271 or 272 and higher-numbered biology courses concurrently.

The inclusion of geology is advised for majors preparing for teaching or for work in the field aspects of biology. Students preparing for dental, medical, or veterinary schools should take Mathematics 122, and must take Physics 121, 122, and Organic Chemistry; students preparing for graduate study in the biological sciences should also elect these courses. For most of these students, at least one further course in mathematics should be elected with the advice of the major department. Requirements for the PH.D. degree in areas of biological science may include a reading knowledge of two modern foreign languages.

Students are encouraged to take courses at approved summer laboratories, and such courses may be approved for credit toward the major requirement.

Attention is called to the interdepartmental major in geology-biology and the interdisciplinary majors in environmental studies and studies in human development.

CHEMISTRY

Chairman, PROFESSOR REID

Professors Reid and Machemer; Associate Professors Maier and W. Smith; Assistant Professor Shattuck.

The department offers two major programs for the liberal arts student: the basic major and the ACS major (accredited by the American Chemical Society). Both majors involve the same core curriculum, but the basic allows more opportunity for study outside the chemistry department. The ACS major is more sharply focused toward further work in university graduate schools; a student graduating in this program receives official certification from the American Chemical Society.

Requirements for the basic major in chemistry:

Chemistry 141, 142, 241, 242, 331, 341, 342; Mathematics 121, 122; Physics 121, 122. Other courses or substitutions should be selected in consultation with the chairman of the chemistry department.

Requirements for the ACS accredited major in chemistry:

All courses required for the basic major, plus Chemistry 332, 411, 431. Two other semester courses may be taken as electives.

Both junior and senior January programs should be taken in the major.

The point scale for retention of the major applies to all chemistry courses. All prospective chemistry majors should meet with the chairman as early as possible during the freshman year in order to plan their full chemistry programs. With the exception of Chemistry 432 and 434, all requirements for the major must be met in conventionally graded courses.

It should be noted that recently the ACS accredited program has been modified by the American Chemical Society, with the elimination of any particular required modern foreign language.

A sound program in the basic major meets most of the objectives of the ACS accredited one and will prepare a student to enter many professional or graduate schools, e.g., dental, medical, or veterinary schools (for these, certain biology courses should be included in the students' programs), as well as law, biochemistry, chemistry, environmental science, oceanography, and other schools. Students who plan careers in high-school science teaching should add courses in education.

Completion of either chemistry major with Biochemistry provides an excellent basis for graduate work in biochemistry, the medical sciences, and pharmacology.

At the end of their junior year, chemistry majors are encouraged to obtain summer employment in industrial or professional laboratories.

Seminars for the chemistry department are held on Tuesday evenings. Important topics are developed and discussed; chemistry majors are expected to attend, and seniors are required to participate.

Attention is called to the interdepartmental geology-chemistry major.

GEOLOGY

Chairman, PROFESSOR KOONS

*Professor Koons*¹; *Associate Professors Pestana*² and *Allen*; *Lecturers Keene*³, *Pollock*⁴, and *W. Thompson*⁴.

Requirements for the major in geology:

Geology 141, 142, 215, 242, 251, 311, 323 or 371, 381, 452; one year of college mathematics; and Chemistry 141, 142. Geology 382 and one semester of Geology 491, 492 are recommended for professional preparation.

At least one independent January program is required to be taken in the major during the junior or senior year. A comprehensive examination is to be passed in the senior year.

Students planning to teach in the secondary schools may select the *earth science option*; the requirements are: Geology 141, 142, 215,

251, 292, 311, 323, 324, 381; Chemistry 141. A comprehensive examination is to be passed in the senior year.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all courses taken in the department. All requirements for the major must be met in conventionally graded courses.

Students planning professional careers in geology should remember that graduate schools will require for admission a summer field course or its equivalent, at least one year in physics and biology, and, frequently, additional mathematics; and that candidates for the doctorate must demonstrate a reading knowledge of two foreign languages.

Attention is also called to interdepartmental majors in geology-biology and geology-chemistry and the interdisciplinary major in environmental studies.

¹On leave first semester.

²Acting chairman first semester.

³Part-time.

⁴Part-time first semester only.

MATHEMATICS

Chairman, PROFESSOR L. ZUKOWSKI

Professors Combellack and L. Zukowski; Visiting Professor M. Thompson¹; Associate Professor Small; Assistant Professors Hayslett, Shepardson, and J. Goulet; Instructor C. H. Bassett².

Requirements for the major in mathematics:

Mathematics 121, 122, 221, 222, 361, 362, 401, 402, 421, 431, and 12 additional hours in mathematics selected from the following: 311, 312, 332, 352, 372, 381, 382, 422, 432.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all courses taken in the department. All requirements for the major must be met in conventionally graded courses with the exception of Mathematics 401, 402, which will be nongraded.

Freshmen planning to major in mathematics or the physical sciences should elect in the sequence Mathematics 121, 122, 221, 222. Advanced placement or high school background would determine exactly where a student should enter the sequence.

Freshmen planning to major in the life sciences or social sciences might plan to elect from the set Mathematics 113 (Linear Algebra); Mathematics 121, 122 (Calculus); Mathematics 241 (Elementary Statistics); Mathematics 243 (Finite Mathematics). Elementary

Statistics has a prerequisite of Mathematics 121 or equivalent. Mathematics 243 is offered in alternate years and has a prerequisite of 113 or 121, or equivalent.

A brief introduction to the use of the computer terminals will be required in all 100- and 200-level mathematics courses. For students electing more than one such course, the work will be graduated accordingly.

Attention is called to the interdepartmental majors in administrative science-mathematics, economics-mathematics, philosophy-mathematics, and psychology-mathematics.

¹First semester only.

²Part-time.

PHYSICS AND ASTRONOMY

Chairman, ASSISTANT PROFESSOR METZ

*Associate Professor Dudley*¹; *Assistant Professors Metz, Briggs, and Chodrow*.

The department seeks to train students to think analytically in terms of the fundamental principles of physics. Subject matter in courses is selected to illustrate basic laws with wide applicability. The course offerings provide excellent background for graduate study in physics, astronomy, and some areas of engineering. Moreover, analytical training is often profitable to students who intend to pursue other professions, such as medicine, law, or business.

Requirements for the major in physics:

Twenty-eight credit hours in physics, including 121, 122, 211, 232, 321; Mathematics 121, 122, 221, 222. A comprehensive examination is normally required in the senior year.

Students preparing for graduate work in physics, a related science, or engineering should plan to elect eight additional hours of physics, including Physics 441, and six additional hours of mathematics, including Mathematics 311. Mathematics 121, 122 should be taken during the freshman year. It is recommended that Chemistry 141, 142 be taken during the sophomore year, and that the college language requirement be fulfilled in French, German, or Russian.

Students seeking advanced standing in physics should consult the chairman of the department before electing courses.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all courses taken in the Division of Natural Sciences. All requirements for the major must be met in conventionally graded courses.

¹On leave full year.

Interdisciplinary Studies

Interdisciplinary studies at Colby are coordinated through the interdisciplinary studies council, composed of the director, or a representative, from each interdisciplinary area plus three students and a member of the administration:

Chairman, PROFESSOR D. KOONCE

MEMBERS: *Professors Bassett (American Studies), Brancaccio (Black Studies), Easton (Human Development), Koonce (Western Civilization), Pestana (Environmental Studies), Sherard (East Asian Studies), and Witham (Performing Arts).*

Interdisciplinary majors are offered in American studies, East Asian studies, environmental studies, studies in human development, and studies in western civilization. In addition, there are courses in Black studies and the performing arts. Each area is administered by an advisory committee and utilizes courses in several departments of the college.

AMERICAN STUDIES

Director, PROFESSOR BASSETT

ADVISORY COMMITTEE: *Professors Bassett (English), Brancaccio (English), Bridgman (History), Cocks (Special Collections), Geib (Sociology), Gemery (Economics), Haley (History), Harris (English), Hudson (Philosophy), Johnson (English), Longstaff (Religion), Machlin (Music), Maisel (Government), W. Miller (Art), Morrione (Sociology), and Weiss (French); and six students majoring in American studies elected by fellow majors.*

A student majoring in American studies at Colby is taught—in single courses and through a combination of courses—the subject matter of America's past and present, with special effort devoted to the integration and knowledge of more than one academic discipline. Built around a core of courses in American history and American literature, the American studies program strives for genuinely interdisciplinary insights into the complexities of American thought and culture.

Requirements for the major in American studies:

Five courses, to include a senior seminar, in an area of concentration in either American literature or American history. These courses must demonstrate adequate chronological breadth, and include offerings at the 200, 300, and 400 levels.

Three courses in the area, American literature or history, not chosen as the area of concentration.

Note: All majors are strongly advised to complete English 253 in the sophomore year.

One senior seminar or independent study course with an American emphasis in a department other than the area of concentration.

Additional courses with an American emphasis to bring the total to at least 14 courses. These may be selected from a list available from the major adviser, and include offerings in administrative science, American studies, art, biology, economics, education, geology, government, music, philosophy, psychology, religion, and sociology.

An interdisciplinary oral or written comprehensive examination is to be passed in the senior year.

At least one independent January program is required to be taken in the major during the sophomore, junior, or senior year.

The point scale for retention of the major applies to all courses offered toward the major. All requirements for the major must be met in conventionally graded courses.

Courses approved for the major:

ADMINISTRATIVE SCIENCE: 354 Law.

AMERICAN STUDIES: -97, -98 Selected Topics (except at the 100 level); 274 Women's Studies: The Female Experience in America; 276 Black Culture in America; 491, 492 Independent Study.

ART: 271 American Art; 356 Twentieth-Century Art; 491, 492 Independent Study.

BIOLOGY: 352 Ecological Theory.

ECONOMICS: 311d Seminars: Economic Analysis and Policy; *314 Economics of Population; 331 Industrial Organization and Antitrust Economics; 332 Regulated Industries; 338 Money, Banking, and Monetary Policy; 351 Public Finance; 352 Fiscal Policy; †[356] Unions, Collective Bargaining, and Public Policy; *374 American Economic History; 377 Environmental Economics; 431 History of Economic Thought; 491, 492 Independent Study.

EDUCATION: 336 History of the American School.

ENGLISH: 251d Major American Writers I; 252d Major American Writers II; 253d Introduction to American Studies; *351 The American Renaissance I; †[352] The American Renaissance II; 353 American Realism and Naturalism; 355d2 Black American Literature; 356 Modern American Fiction; 357 American Poetry; 358 Contemporary American Poetry; *375 Modern Drama I; *376 Modern Drama II; 491, 492 Independent Study; 493, 494 Seminars in British and American Literature (when appropriate).

GEOLOGY: †[323, 324] Map Interpretation and Geomorphology of the United States.

GOVERNMENT: 211 The American System and the Shaping of the Modern Polity; 258 American Government and Politics: The Executive-Legislative Conflict; *314 American Constitutional Law; 316 American Political Thought; 321, [322] Political Theory; †[356] Parties and the Electoral Process; 359 Government and the Press; [391] The American Bureaucrat; [393] State and Local Government; 435 Seminar in American National Government and Politics; 436 American Politics Seminar: Voting Behavior; 457 Foreign Policy of the United States; 491, 492 Independent Study.

HISTORY: 215 America and Asia: Attitudes and Relationships; 223, 224 Survey of United States History; [273] American Industrial Development, 1865-1909; 277 Black History I; 278 Black History II; 354 American Intellectual and Social History, 1865-1917; [371] Modern American Elections; 372 The American Civil War; 374 Contemporary America, 1929 to Present; 375 American Colonial History; [376] The Era of the American Revolution, 1763-1789; [377] Historical Introduction to American Studies: The United States, 1824-1850; [378] The United States, 1850-1880; 379 Black History III; *391 American Diplomatic History, 1775-1901; [394] Slavery and the American South: 1819-1857; 415, 416 Seminar in American History; 432 Seminar in Black History; 491, 492 Independent Study.

MUSIC: †[131] Studies in American Music; 491, 492 Independent Study.

PHILOSOPHY: †[352] American Philosophy; 491, 492 Independent Study.

PSYCHOLOGY: 253 Social Psychology; 491, 492 Independent Study.

RELIGION: *217 Religion in America; 281 Cultural Euthenics; *316 Contemporary Western Theology; 491, 492 Independent Study.

SOCIOLOGY: 211, 212 Short Courses in Sociology; 231 Contemporary Social Issues; *233 Criminology; 252 Race and Minorities; †[274] Social Stratification; 318 Contemporary Theory; *353 Urban Sociology; †[361, 362] Cultural Anthropology; *391 Social Change; *394 Collective Behavior; 491, 492 Independent Study.

BLACK STUDIES

Director, PROFESSOR BRANCACCIO

ADVISORY COMMITTEE: *Professors Brancaccio (English), Gemery (Economics), Haley (History), Johnson (English), and Johnson (Psychology); and three students.*

Activities in the area of Black studies began in 1969 with the formation of a Black studies subcommittee of the educational policy committee. The work of this committee has involved the encouragement of curriculum development, scholarly exchanges through visiting lecturers, faculty attendance at professional meetings such

as the one held annually in Atlanta at the Center for Afro-American Studies, exchanges of students, and faculty visits to other colleges to keep abreast of developing programs. The committee also encourages the development of January program topics in this area. The history courses listed below may be offered as a field of concentration within the history major.

Courses offered in Black studies include:

AMERICAN STUDIES: 276 Black Culture in America.

ENGLISH: 355d2 Black American Literature; *436 African Prose.

HISTORY: 277 Black History I; 278 Black History II; 379 Black History III; 432 Seminar in Black History.

Students interested in Black studies should also note the following courses, which deal with various American minority and third-world concerns.

ECONOMICS: †[333] Economic Development.

GOVERNMENT: 332 Political Development in the Third World.

RELIGION: [319] Primitive Religion.

SOCIOLOGY: 231 Contemporary Social Issues; 252 Race and Minorities; *353 Urban Sociology.

EAST ASIAN STUDIES

Director, PROFESSOR SHERARD

ADVISORY COMMITTEE: *Professors Carpenter (Art), Feigon (History), Kirkpatrick (Government), Reuman (Philosophy and Religion), Sherard (Modern Foreign Languages), and Thorwaldsen (Philosophy and Religion).*

The program of East Asian studies contributes a new dimension to the traditional liberal arts curriculum by exposing the student to rich cultures beyond the scope of western civilization. Study abroad during the junior year is encouraged; see FOREIGN STUDY section for information about Colby's participation in the Associated Kyoto Program and exchange agreement with Kansai University of Foreign Studies in Japan. Other foreign study possibilities include Hong Kong and Taiwan.

Requirements for the major in East Asian studies:

A minimum of two years of training in an East Asian language, and 21 additional credit hours obtained from courses in East Asian studies, selected with the approval of the program director.

The point scale for retention of the major applies to all courses offered toward the major. All requirements for the major must be met in conventionally graded courses.

Courses approved for the major:

CHINESE: 121, 122 Elementary Chinese; 123, 124 Intermediate Chinese; 321, 322 Advanced Chinese; 491, 492 Independent Study.

EAST ASIAN STUDIES: 491, 492 Independent Study.

GOVERNMENT: 135 Imperialism and Nationalism in East Asia; 138 Japan and the United States; 231 Contemporary Japanese Politics; 271 Asian Revolutionary Movements; 478 Seminar in Japanese Politics.

HISTORY: 151 East Asian Civilization to 1600; 152 East Asian Civilization from 1600 to the Present; 215 America and Asia: Attitudes and Relationships; 216 The Chinese Revolution; 317d2 The Introduction of Marxism into China; †[318] The People's Republic of China; 457 Seminar in Modern Chinese History.

JAPANESE: 121, 122 Elementary Japanese; 123, 124 Intermediate Japanese; 321, 322 Advanced Japanese; 491, 492 Independent Study.

PHILOSOPHY: 391, [392] Philosophy Seminar (when appropriate).

RELIGION: 311 Indian Religions and Islam; 312 East Asian Religions; †[391], 392 Religion Seminar (when appropriate).

ENVIRONMENTAL STUDIES

Acting Director 1977-78, PROFESSOR PESTANA

STEERING COMMITTEE: *Professors Bennett (Biology), Dudley (Physics), Vice-President Jenson (Dean of Faculty), Professors Koons (Geology), Pestana (Geology), Reid (Chemistry), and Zukowski (Mathematics).*

ADVISORY COMMITTEE: *Professors Clarey (Administrative Science), Firmage (Biology), Koons (Geology), Pestana (Geology); two students representing the Colby Environmental Council; Mr. T. Gordon (Cobbossee Watershed District); Mr. E. Keene (North Kennebec Regional Planning Commission); Mrs. R. Strider (Waterville Conservation Commission); and Mr. M. Wiebe (Keep Maine Scenic Committee).*

A multidisciplinary major in environmental studies, based primarily on the natural sciences, was instituted in March 1971. Academic aims are to provide an understanding of ecosystems, an appreciation for contributions which different disciplines make to the field, an awareness about the roles of institutions that affect the environment, and a working experience with some aspect of the local, regional, or state environment.

Requirements for the major in environmental studies:

In biology: one semester course selected from 117, 138, or 271; one semester course selected from 118 or 121; and 352.

In chemistry: two semester courses selected from 111, 112 or 121, 122 or 141, 142.

In geology: two semester courses selected from 141, 142 or 161, 162; either 172 or 292; and 483, 484.

In mathematics: 241 or 381.

In physics: Physics 121 or Astronomy 131.

From the science areas, a student is urged to take at least two courses with laboratory.

An additional seven credit hours from the approved list of courses in astronomy, biology, chemistry, geology, mathematics, and physics. Attention is called to a four-credit summer course in Applied Marine Ecology, offered in conjunction with TRIGON.

Nine credit hours selected from the approved list of courses in administrative science, economics, government, and sociology.

At least one January program in environmental studies.

The point scale for retention of the major applies to all courses offered toward the major. All requirements for the major must be met in conventionally graded courses.

Courses approved for the major:

ASTRONOMY: 131 Introductory Astronomy.

BIOLOGY: 117 Ecology and Field Biology; 118 Ecology and Population; 121 Introduction to Biology; 138 Plant Biology; 271 Introduction to Ecology, Introduction to Evolution; 352 Ecological Theory.

CHEMISTRY: 111 Studies in Environmental Biochemistry; 112 Topics in Chemistry; 121, 122 General Chemistry; 141, 142 General Chemistry and Elementary Analysis.

GEOLOGY: 141, 142 Introduction to Geological Science; 161, 162 Problems in Geology; 172 Oceanography Laboratory; *292 Meteorology; 483, 484 Environmental Geology.

MATHEMATICS: 241d Elementary Statistics; 381 Mathematical Statistics.

PHYSICS: 121 General Physics.

Approved courses from the Division of Natural Sciences include those listed above and the following:

BIOLOGY: *311 Plant Classification; 313 Invertebrate Zoology; 318 Microbiology; *319 Biology of the Lower Plants; 333 Chordate Evolution; †[354] Marine Ecology; *356 Inland Ecology; 358 Ecological Field Study; 376 Problems in Comparative Animal Physiology; 378 Animal Behavior.

CHEMISTRY: 241, 242 Organic Chemistry.

GEOLOGY: [234] Rocks in Hand Specimen; 241, 242 Field Methods and Structural Geology; 251 Invertebrate Paleontology; 252 Micro-paleontology; 254 Advanced Invertebrate Paleontology; 311 Sedimentation; †[323, 324] Map Interpretation and Geomorphology of the United States.

MATHEMATICS: 242 Elementary Statistics; 382 Mathematical Statistics.

PHYSICS: 122 General Physics.

Approved courses from the Division of Social Sciences:

ADMINISTRATIVE SCIENCE: 354 Law; 413 Organizational Behavior.
 ECONOMICS: 131d Principles of Macroeconomics; 132d Principles of Microeconomics; *374 American Economic History.
 GOVERNMENT: *314 American Constitutional Law; †[338] International Law; [393] State and Local Government.
 SOCIOLOGY: 232 Human Ecology; *353 Urban Sociology; [393] Complex Social Organizations.

PERFORMING ARTS

Coordinator, PROFESSOR WITHAM

ADVISORY COMMITTEE: *Professors Machlin (Music), Mitchell-Wentzel (Performing Arts), Sewell (Performing Arts), Suss (English), Witham (English), and Woody (Performing Arts).*

The program in the performing arts enlarges existing patterns of academic concentration through credited work in theater, musical performance, and dance. The program is founded on two premises: first, that performance is essential to a full understanding of the art form; second, that all the arts share significant modes of thought and expression, and that a knowledge of one art form will contribute to an understanding of all the arts. In addition to traditional lecture/discussion courses, the program includes frequent opportunities for practical experience in the theater.

Courses offered in the performing arts include:

MUSIC: 191, 192 Applied Music: Individual Study; 193, 194 Applied Music: Ensemble; †[278] Opera as Theater; 372 Composition I; 374 Composition II; *378 Conducting; 491, 492 Independent Study in Music.

PERFORMING ARTS: 121, 122 Theater Production; 171 Acting I; 221, †[222] Theater History; 231 Stage Lighting; †[241, 242] Introduction to the Art of Dance; 251 Stage Movement; †[272] Acting II; *274 Performing the Classics; *341, 342 Modern Dance Composition and Theory; 491, 492 Independent Study in Theater.

Courses in the literature of the performing arts, which provide the liberal arts context for the program, include:

CLASSICS: *232 Greek Tragedy.

ENGLISH: 171 Speech; 275d2 The Art of the Narrative Film; [373, 374] The Development of Dramatic Art; *375, 376 Modern Drama; 383, 384 Studies in Shakespeare; †[472] Oral Interpretation.

MUSIC: *134d1 The Symphony; *231d2 Chansons and Lieder; *235 Chamber Music; *332 Studies in Operatic Style; †[376] Counterpoint.

SPANISH: †[351] El Siglo de Oro.

STUDIES IN HUMAN DEVELOPMENT

Director, PROFESSOR EASTON

STEERING COMMITTEE: *Professors Bennett (Biology), Geib (Sociology), Gillespie (Psychology), and Parker (Philosophy).*

ADVISORY COMMITTEE: *Professors Birge (Sociology), Easton (Biology), Jacobson (Education), Perez (Psychology), Reuman (Philosophy), Rosenthal (Sociology), Skowbo (Psychology), and Todrank (Philosophy).*

A multidisciplinary study of the origin and development of man. Academic aims of the program are to provide an understanding of the development of man as a biological and psychological organism; an appreciation of the relationship between the individual and his social environment; an opportunity to consider possible future directions for both the individual and society; and working experience with a local, state, or regional agency involved in some aspect of human development.

Requirements for the major in studies in human development:

In biology: 121 and either 122 or 134.

In human development: 393d, 493d.

In philosophy: one semester course selected from 211, 236, 281, 372.

In psychology: 111 and two semester courses selected from 132, 211, 252, 261, 262, 291.

In sociology: 121, 122 and two semester courses selected from 232, 233, 237, 273, 274, 353, 361, 362, 391, 394.

An additional nine credit hours above the introductory level in biology, economics, English or American literature, government, history, philosophy, psychology, religion, and sociology.

At least one January program in human development.

The point scale for retention of the major applies to all courses offered toward the major. All requirements for the major must be met in basic credits.

STUDIES IN WESTERN CIVILIZATION

Director, PROFESSOR D. KOONCE

ADVISORY COMMITTEE: *Professors Benbow (English), Berschneider (History), Bundy (Modern Foreign Languages), Carpenter (Art), Koonce (Classics), Koonce (English), Parker (Philosophy and Religion), and Westervelt (Classics).*

Each student majoring in studies in western civilization will draw up a provisional plan of study with his major adviser before choosing courses. This plan will be reviewed and can be revised by the adviser and the student before registration each semester. Since in a civilization program it is desirable to respond to a culture in its

own terms, students in the western civilization major will be expected to pursue at least one classical or modern language for at least one year beyond the all-college language requirement. The exact extent of this requirement, and the language involved, will be part of the plan agreed on by the student and his adviser. The advisory committee for the studies in western civilization major encourages students to take advantage of opportunities for off-campus study currently available through the committee on foreign study and student exchange and the committee on special programs. Plans for off-campus study, which include provisions for meeting the requirements for the major, will be accepted in lieu of portions of the requirements below.

Requirements for the major in studies in western civilization:

Eighteen hours from courses listed in and counting toward a major in one of the following disciplines: art, classics, English, history, modern foreign languages, philosophy, religion. Nine of these credit hours must be concentrated in no more than two of the following periods of western culture: Greece, Rome, the Middle Ages, the Renaissance, the Enlightenment.

At least six hours in courses in two other disciplines that are in the same period(s) of concentration selected above, and which appear in the list of approved courses below.

Western Civilization 493 and 494. Western Civilization 297, 298, 397, and 398—one-credit coordinating seminars led by instructors who are advisers for the major.

Eight additional credit hours selected from the list of approved courses below.

Courses approved for the major:

ANCIENT HISTORY: 151 Introduction to Greek Civilization; *252 Greek History; †[254] Roman History; †[352] Athens in the Fifth Century; †[353] Greece in the Fourth Century.

ART: 121, 122 Introduction to Art; †[311] The Art of Ancient Greece; *312 Art of the Renaissance in Italy; †[314] Baroque Art; †[316] Art of the Renaissance in Northern Europe; *358 Medieval Art.

CLASSICS: 133 Myth and Literature; *232 Greek Tragedy; *234 The Heroic Ideal in Early Greek Poetry.

ECONOMICS: †[372] European Economic History.

ENGLISH: 221, 222 Major British Writers; †[276] Dante in Translation; †[331] The Middle Ages; †[332] The Renaissance; *333 The Seventeenth Century; 334d1 The Eighteenth Century; *351 The American Renaissance I; †[352] The American Renaissance II; 371 Eighteenth-Century British Fiction; [373] The Development of

Dramatic Art I; [374] The Development of Dramatic Art II; 378 History of the English Language; 383, 384 Studies in Shakespeare; 391d2 Chaucer; *392d1 Sidney and Spenser; †[394] Milton; 433d2 Restoration Literature; 493, 494 Seminar in English Literature (when appropriate).

FRENCH: 223 French Civilization; 345, 346 The Eighteenth Century; †[355] Topics in Seventeenth-Century French Literature.

GERMAN: 223, 224 German Cultural Traditions.

GOVERNMENT: 321 Political Theory.

GREEK: all courses listed.

HISTORY: 137 Medieval History, 476-1300; 138 Medieval History, 1300-1648; †[335] A Constitutional and Legal History of Medieval England; *336 Tudor-Stuart England; †[419] Seminar in Medieval History.

LATIN: all courses numbered above 112.

MUSIC: 111d Introduction to Music; 211 Music History I; †[233] Studies in Medieval and Renaissance Music; *234 Studies in Baroque Music.

PHILOSOPHY: 331 History of Ancient Philosophy; 332 History of Modern Philosophy; *373 History of Medieval Philosophy; [392] Philosophy Seminar.

RELIGION: 223, 224 Biblical Literature; [319] Primitive Religion; *351 The Book of Job; †[352] The Theology of Paul; †[353] The Great Prophets of Israel; *358 Jesus of Nazareth; †[391] Religion Seminar.

SPANISH: †[351] El Siglo de Oro.

Division of Physical Education and Athletics

Chairman, ASSISTANT PROFESSOR MCGEE

*Professor Bither*¹; *Assistant Professors McGee, Covell, Nelson, Hodges, Whitmore, and Taylor*; *Instructors McConnell, DeLorenzo, M. Goulet, and Leary*.

The department of physical education and athletics offers required and voluntary physical education classes, intramural sports, intercollegiate athletics (varsity and junior varsity), and informal recreational activities.

¹On leave second semester.

PHYSICAL EDUCATION

Coordinator, PROFESSOR BITHER

Physical Education 1, 2: two semesters of physical education are required of all Colby students for graduation. Waivers are available for members of varsity or junior varsity teams.

A program of instruction in a wide variety of activities is offered on a coeducational basis. Activities presently in the program are *aquatics*: swimming, life saving, water-safety instructors' course, canoeing, scuba; *leisure-time sports*: tennis, racquetball, golf, squash, skating, figure skating, bicycling, skiing, cross-country skiing, fencing, badminton, riding; *dance*: modern, folk, ballet, ballroom; *team sports*: volleyball; *other activities*: yoga, conditioning, hiking.

INTRAMURALS

Coordinator, MR. DELORENZO

Programs in intramurals are on a coeducational basis; each student is free to engage in the activities of his choice. Competition is organized in touch football, soccer, basketball, ice hockey, volleyball, chess, table tennis, skiing, track, squash, swimming, softball, tennis, cross-country, marathon run, and basketball free-throw. Teams are divided into fraternity and independent divisions, with a point system determining winners of each divisional trophy. Participation by all members of the college community is encouraged.

INTERCOLLEGIATE ATHLETICS

Athletics for men include varsity teams in golf, lacrosse, tennis, indoor and outdoor track, skiing, and squash, and both varsity and junior varsity teams in football, soccer, basketball, hockey, and baseball.

Coed varsity teams are in cross-country and swimming.

Varsity teams for women are in field hockey, tennis, ice hockey, basketball, skiing, softball, and lacrosse.

The rules that govern intercollegiate sports are those adopted by the athletic conferences in which Colby holds membership. Colby is a member of the New England Small College Athletic Conference, which also includes Amherst, Bates, Bowdoin, Hamilton, Middlebury, Trinity, Tufts, Union, Wesleyan, and Williams. The college is also a member of the National Collegiate Athletic Association, the Eastern College Athletic Conference, the Association for Intercollegiate Athletics for Women, the Eastern Association for Intercollegiate Athletics for Women, and the Maine Association of Intercollegiate Athletics for Women.

Division of Special Programs

Recognizing the fact that diverse interests exist in every community, and that even the most professionally trained individual has a need to continue his education, Colby College maintains a division of special programs with a full-time director.

Each summer nearly 5,000 individuals from throughout the nation and other countries are on campus for courses, conferences, seminars, and institutes ranging from Great Books to the Maine Special Olympics. Continuing-education programs in medicine and allied health fields constitute a significant portion of summer activities. Approximately 150 doctors enroll in the 10-week Lancaster Course in Ophthalmology. Three- to five-day seminars in Allergy and Immunology, Dermatology, Emergency Care, Epilepsy, Forensic Medicine, Neurosurgery, Nuclear Medicine, Obstetrics-Gynecology, Ophthalmology, Otolaryngology, Pediatrics, Pulmonary Disease, and Surgery are offered annually.

Colby medical programs are fully accredited by the American Medical Association's Council on Medical Education. For courses designed for primary-care physicians, the American Academy of Family Practice credit is generally available. In addition, some of the medical seminars are cosponsored by nationally recognized organizations, such as the American Society of Ophthalmic and Reconstructive Surgery, the American Thoracic Society, and the American Association of Dermatology.

There are various other summer programs, including the Estate Planning and Tax Institute, Advanced Audiology, Church Music Institute, New England School of Accounting, as well as youth cheerleader, basketball, and football clinics.

During the academic year, the division arranges such annual conferences as the Colby Institute for Management. Adult courses and noncredit courses for which the continuing-education unit may be earned are also structured and evaluated through special programs.

The use of Colby's facilities by outside groups is coordinated through the division of special programs. This past year, some of the groups holding conferences on campus included the Geological Society of Maine, Maine Council of Canadian Studies, New England Association of Schools and Colleges, Foreign Press Association, Maine State Association of Financial Aid, and others.

Information may be obtained by writing to the director, Robert H. Kany.

Courses of Study

KEY TO SYMBOLS AND METHODS OF COURSE DESIGNATION

Each course is known by a title and also, for convenience of reference and ease in record keeping, by subject and number: *American Art* is also *Art 271*.

The first digit indicates the class or classes eligible to take the course:

- 100 — open to freshmen;
- 200 — ordinarily open to sophomores, and classes above;
- 300 — ordinarily open only to juniors and seniors;
- 400 — ordinarily restricted to seniors.

The second digit may be:

- zero* — either semester of a year course, with credit given only on completion of the two semesters;
- an even number* — either member of a pair of closely related semester courses (special permission of the department is required to take the second without the first);
- an odd number* — an independent semester course.

The last digit shows the semester in which the course is offered. Courses ending in odd numbers are first-semester (fall) courses, while those ending in even numbers are given in the second semester.

Thus *Art 271* may be elected no earlier than the sophomore year (as it is a 200 course); it is an independent one-semester course (shown by the 7, an odd number); and it is given in the first semester (since the final digit is also odd).

The letter *d* after a course number indicates that the course is repeated each semester. The *d* followed by the number 1 or 2 is used to designate a course being given out of its usual semester. *Geology 313d2* would be an independent semester course for juniors or seniors ordinarily given in the fall but this year being presented in the spring instead.

The letter *e* after a number indicates an *E* course, the first of two closely related semester courses. When so designated, a mark of *E* may be given for the first. *E* designates provisional failure, but the deficiency may be made up by satisfactory completion of the sequentially related course in the immediately following semester. When thus made up, the first-semester mark is changed to *D*. An *E* course finally carries a separate permanent mark for each semester.

A year course (with zero its second digit) may not be dropped at midyear without loss of credit; nor may it be entered except at the beginning of the year. In a year course, the mark at midyear merely indicates the student's standing at that time. The end-of-year mark is the only finally recorded mark for the course, and no credit is given until that mark is recorded.

[] Brackets indicate that the course will not be offered in 1978-79.

† A dagger indicates that the course will probably be offered in 1979-80.

* An asterisk indicates that the course will probably not be offered in 1979-80.

A schedule of hours and rooms for courses listed in this catalogue is available at the registrar's office at registration periods.

Courses listed are subject to withdrawal at the discretion of the college administration.

Credit hours shown are per semester unless otherwise noted. Courses listing variable credit are offered primarily for the smaller number of credits. Students can earn augmented credit in these courses by completing such extra work as the instructor may specify.

Unless otherwise stated or taken pass/fail, courses carry basic credit.

Administrative Science

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| <p>111 THE COMPUTER AND DECISION MAKING MR. SAMUEL</p> | <p>An introduction to the potential uses of the computer as a device in the solution of a variety of management problems. <i>Three credit hours.</i></p> |
| <p>221e, 222 ACCOUNTING MRS. KNIGHT</p> | <p>The underlying theory and analytical aspects of accounting as a control device and tool of management, including an examination of the role of accounting in modern society—its relationship to law, economics, and social policy. <i>Three credit hours.</i></p> |
| <p>321, 322 FINANCE MR. ZUKOWSKI</p> | <p>An analytically structured approach to decision making in the financial area. Money and capital markets are considered. <i>Prerequisite:</i> Administrative Science 221, 222 and Economics 131, 132 or special permission. <i>Three or four credit hours.</i></p> |
| <p>333 MARKETING MR. CLAREY</p> | <p>Development of the broad concept of marketing as an all-pervasive organizational and societal function, both domestically and internationally. <i>Prerequisite:</i> Administrative Science 221, 222 or Economics 131, 132. <i>Four credit hours.</i></p> |
| <p>334 ADMINISTRATION OF PUBLIC AND SOCIAL SERVICE ORGANIZATIONS MRS. KNIGHT</p> | <p>An introduction to the theories and methodologies utilized in the administration of public and social service organizations: federal, state, and local government units, health care and educational institutions. Emphasis placed on the management tools and skills that best enable the organization to perform its function efficiently and effectively in an environment of constantly changing social and economic values. <i>Prerequisite:</i> Administrative Science 221, 222 or permission of the instructor. <i>Three credit hours.</i></p> |
| <p>341, 342 ADVANCED ACCOUNTING MR. SAMUEL</p> | <p>Advanced study of accounting theory, with stress on analytical, interpretative, and managerial aspects of the subject. Concepts relating to major current accounting questions are examined. <i>Prerequisite:</i> Administrative Science 221, 222. <i>Three credit hours.</i></p> |
| <p>352 MANAGERIAL ECONOMICS MR. SAMUEL</p> | <p>The decision-making process examined in an economic context. <i>Prerequisite:</i> Administrative Science 221, 222 and Economics 131, 132 or special permission. <i>Three credit hours.</i></p> |

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| 354 LAW MR. CLAREY | The processes of law that underlie personal and institutional relationships. <i>Four credit hours.</i> |
| 371 OPERATIONS RESEARCH MR. SAMUEL | The application of the scientific method, with emphasis on the use of mathematical and statistical techniques, to organizational problems to arrive at the "best" or optimal solution. <i>Prerequisite:</i> Mathematics 113 or 121 or permission of the instructor. <i>Four credit hours.</i> |
| 411 THE CONSUMER IN SOCIETY MRS. KNIGHT | Consumer behavior is examined within the framework of the financial and social institutions that comprise our complex society. Emphasis is given to those aspects related to financial goals, alternatives, and decisions. <i>Three credit hours.</i> |
| 412d1 INVESTMENTS MR. ZUKOWSKI | Traditional concepts of investment analysis and an examination of recent scientific research on securities markets and other investments. Aberrations in market behavior due to crowd psychology are considered. <i>Prerequisite:</i> Administrative Science 221, 222, 321, 322. <i>Three credit hours.</i> |
| 413 ORGANIZATIONAL BEHAVIOR MR. CLAREY | This course utilizes a historical and sociological orientation as it examines the existing empirical data and theoretical concepts dealing with the behavior of people in business and other organizations. <i>Three credit hours.</i> <i>Note:</i> This course may be offered cooperatively with Sociology 393. A student may not receive credit for both Administrative Science 413 and Sociology 393. |
| 491, 492 INDEPENDENT STUDY STAFF | Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>One to four credit hours.</i> |
| 494 SENIOR SEMINAR STAFF | Topics concerned with the broad administrative spectrum. Choice depends upon the interest and needs of the particular class. <i>Prerequisite:</i> Administrative Science 221, 222, 321, 322, 413, and two additional semester courses in administrative science or from the approved group (see major requirements). <i>Four credit hours.</i> |

American Studies

274

WOMEN'S STUDIES: THE FEMALE
EXPERIENCE IN AMERICA
MISS MANNOCCI

A documentary study of the lives of American women, primarily though not exclusively in the twentieth century, using oral histories, autobiographical writings, and films as analytical tools. In 1978-79 the basic texts will be Lerner's *The Female Experience*, autobiographies by such women as Emma Goldman, Gertrude Stein, Lillian Hellman, and Maya Angelou, and documentary films on women's experience by female filmmakers.

Prerequisite: Sophomore standing or permission of the instructor.
Three credit hours.

276

BLACK CULTURE IN AMERICA
MR. G. JOHNSON

An interdisciplinary analysis of the literary and historical manifestations of Black culture in the United States. In 1978-79 the course will examine the Harlem Renaissance of the 1920's, using literary, historical, visual, and musical documents in an attempt to arrive at a definitive reassessment of Black American culture in the Twenties.

Prerequisite: Sophomore standing or permission of the instructor.
Three credit hours.

491, 492

INDEPENDENT STUDY
STAFF

Individual study of special problems in American studies in areas where the student has demonstrated the interest and competence necessary for independent work.

Prerequisite: Permission of the instructor and the program director. *One to four credit hours.*

AMERICAN STUDIES MAJOR

Attention is called to the major in American studies, incorporating courses from several departments. Courses approved for this major are listed in the section on Interdisciplinary Studies (q.v.).

Ancient History

IN THE DEPARTMENT OF CLASSICS

151

INTRODUCTION TO GREEK
CIVILIZATION
MRS. KOONCE

A survey of the forces in Greek history, art, and literature that produced the culture of fifth-century Athens. Special attention will be given to the question of continuity between the age of Mycenae and the Homeric poems, the development of Athens in the sixth century, and the impact of the Persian and the Peloponnesian wars on Greek society. *Three or four credit hours.*

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| <p>*252 GREEK HISTORY MRS. KOONCE</p> | <p>Greece from the neolithic period to the sixth century, with emphasis on the Bronze Age generally and the Mycenaean period in particular. Open to freshmen with permission of the instructor. <i>Three or four credit hours.</i></p> |
| <p>†[254] ROMAN HISTORY</p> | <p>Topics in Roman history. Open to freshmen with permission of the instructor. <i>Three or four credit hours.</i></p> |
| <p>†[352] ATHENS IN THE FIFTH CENTURY</p> | <p>The forces that shaped Athenian democracy and the cultural and political life distinctive of Periclean Athens. <i>Prerequisite:</i> Permission of the instructor. <i>Three or four credit hours.</i></p> |
| <p>†[353] GREECE IN THE FOURTH CENTURY</p> | <p>The history of Greece from the death of Socrates to the rule of Alexander, drawing largely upon contemporary sources. <i>Prerequisite:</i> Permission of the instructor. <i>Three or four credit hours.</i></p> |
| <p>491, 492 INDEPENDENT STUDY STAFF</p> | <p>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>One to three credit hours.</i></p> |

Art

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| <p>121, 122 INTRODUCTION TO ART STAFF</p> | <p>First semester: an analytical approach to the visual arts and the historical development of European art through the Middle Ages. Second semester: the history of western art from the Renaissance to the present. <i>Four credit hours.</i></p> |
| <p>141, 142 DRAWING MISS MATTHEWS</p> | <p>Presents the fundamentals of representational drawing. Out-of-class drawing is very important. No previous drawing experience is needed. Enrollment limited. <i>Three credit hours.</i></p> |
| <p>161, 162 PRINCIPLES OF DESIGN INSTRUCTOR</p> | <p>Introduction to two-dimensional design through studio projects. Emphasis on color and, in the second semester, pictorial composition. Students must supply own materials; out-of-class work is essential. Enrollment limited. <i>Three credit hours.</i></p> |
| <p>241, 242 BEGINNING PAINTING INSTRUCTOR</p> | <p>Concepts in two-dimensional image making, using oils. Emphasis on principles of composition and representation, and characteristics of materials. Enrollment limited.</p> |

Prerequisite: Art 141 and 161 or permission of the instructor.
Three credit hours.

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| <p>252 SURVEY OF WESTERN ARCHITECTURE MR. MILLER</p> | <p>Lectures will focus on significant buildings and architects from ancient to modern times. Assignments will include problems of designing, photo essay, and model building. Primarily for non-majors. Enrollment limited. <i>Three credit hours.</i></p> |
| <p>261, 262 BEGINNING SCULPTURE MISS MATTHEWS</p> | <p>Designed to help the student to acquire a foundation in the sculptural techniques of wood and stone carving and welding. It is recommended that the student take both semesters. Enrollment limited. <i>Prerequisite:</i> Art 141 or 161 or permission of the instructor. <i>Three credit hours.</i></p> |
| <p>271 AMERICAN ART MR. MILLER</p> | <p>Architecture, sculpture, and painting from colonial times to the present. Lectures and problems make use of the original material in the Colby collections. <i>Three credit hours.</i></p> |
| <p>†[311] THE ART OF ANCIENT GREECE</p> | <p>Architecture, sculpture, and painting from the Mycenaean through the Hellenistic periods. <i>Prerequisite:</i> Art 121 or permission of the instructor. <i>Three credit hours.</i></p> |
| <p>*312 ART OF THE RENAISSANCE IN ITALY MR. MILLER</p> | <p>The art of the fifteenth and sixteenth centuries in Italy, with emphasis on the major architects, sculptors, and painters. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p> |
| <p>†[314] BAROQUE ART</p> | <p>The art of Europe in the seventeenth and eighteenth centuries, with emphasis on the major artists. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p> |
| <p>†[316] ART OF THE RENAISSANCE IN NORTHERN EUROPE</p> | <p>The art of France, Germany, and the Lowlands in the fifteenth and sixteenth centuries, with emphasis on the major painters from Van Eyck to Brueghel. Special attention is given to the graphic arts (woodcuts and engravings) in Germany. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p> |
| <p>317 EUROPEAN ART, 1780-1920 MR. CARPENTER</p> | <p>Emphasis on French painting of the neoclassic, romantic, realist, impressionist, and postimpressionist movements. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p> |

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- 341, 342
ADVANCED PAINTING
MR. HIGGINS
- A tutorial painting situation. Enrollment limited.
Prerequisite: Art 242 or permission of the instructor. *Three credit hours.*
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- *352
THE GRAPHIC ARTS
MR. CARPENTER
- History and criticism of drawing and print making, with emphasis on European art since the Renaissance.
Prerequisite: Art 121, 122 or permission of the instructor. *Three credit hours.*
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- 356
TWENTIETH-CENTURY ART
MR. MILLER, MR. CARPENTER, AND
INSTRUCTOR
- The architecture, painting, and sculpture of the present century in Europe and America. Attention to particular problems in the art of the past 50 years will take precedence over a survey-like approach.
Prerequisite: Three semesters of art, including Art 121, 122. *Two or three credit hours.*
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- *358
MEDIEVAL ART
MRS. MILLER
- Architecture, sculpture, and painting of western Europe from the mid-sixth to the mid-thirteenth centuries.
Prerequisite: Art 121. *Three credit hours.*
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- 361, 362
ADVANCED SCULPTURE
MISS MATTHEWS
- Further use of the techniques acquired in Art 261, 262 in developing the student's own visual ideas. Enrollment limited.
Prerequisite: Art 261, 262. *Three credit hours.*
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- 491, 492
INDEPENDENT STUDY
STAFF
- Individual study of special problems in the practice, history, or theory of the visual arts.
Prerequisite: Permission of the instructor. *One to four credit hours.*
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- 493
SEMINAR IN ART CRITICISM
MR. CARPENTER
- Primarily for senior art majors. Individual reports and discussion based on reading (psychology of perception, critical methods, art theory, etc.) and on examination of original works. Nongraded. *Three credit hours.*
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- 499d
ART TEACHING
STAFF
- Directed practice in conduct of discussion sections in art history. Open to a limited number of upperclass art majors. Nongraded.
Prerequisite: Permission of the department chairman. Flexible credit. *Two credit hours.*

Astronomy

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

[112]
WORLD SYSTEMS

Major turning points in the history of man's understanding of his world. An examination of the relationships and content of revolutionary changes of thought about motion from Copernicus to Einstein, illustrated primarily by astronomical examples. Occasional laboratory work is designed to illuminate the concepts discussed. Permission of the instructor required for students who have completed Physics 121. Lecture and laboratory. Enrollment limited. *Three credit hours.*

131
INTRODUCTORY ASTRONOMY
MR. BRIGGS

A study of the universe from a physical point of view, including a discussion of the earth, the solar system, the stars and their evolution, the galaxy and some of the newly-discovered peculiar objects within it (e.g., pulsars, black holes), and cosmology. *Three credit hours.*

Biology

115, 116
CONCEPTS IN BIOLOGY
STAFF

Primarily designed for students majoring in the social sciences or humanities. Each course examines a few biological concepts in some depth. The relative amounts of time spent in the field, in the laboratory, or in discussion of theory vary according to the topic covered. Satisfies the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. *Three credit hours.*

117
ECOLOGY AND FIELD BIOLOGY
MR. COLE

Lectures and laboratories utilize an ecosystem approach to emphasize ecological principles and their relevance to current environmental problems. Field trips examine various terrestrial and aquatic ecosystems and introduce techniques of field biology. Satisfies the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. *Three credit hours.*

118
ECOLOGY AND POPULATION
MR. COLE

An introduction to natural history and the regulation of natural populations, interactions among populations, influence of man upon populations of other species, and the relevance of ecological principles

to the environmental crisis. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. *Three credit hours.*

121, 122
INTRODUCTION TO BIOLOGY
STAFF

First semester: the form, function, and behavior of selected organisms. Second semester: the biology of reproduction, inheritance, and development. Illustrative examples will be drawn from a variety of organisms. Lecture and laboratory. *Four credit hours.*

134
HUMAN EVOLUTION
MR. EASTON

The evolutionary origin of Man through study of selected original papers and short publications. Attention is given to the basic theory of evolution and the forces that are effective in the process. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major.

Prerequisite: Permission of the instructor. *Three credit hours.*

136
HORTICULTURE
MR. FIRMAGE

Basic principles in the areas of plant structure and function will be covered and related to plant cultivation. Practical application of these principles will be discussed in areas such as lighting, propagation, pruning, and floriculture. Some laboratory work will be required, and one field trip will be taken. Satisfies the laboratory science distribution requirement. Cannot be counted toward the biology major. Credit may not be obtained for both Biology 136 and 138. Enrollment limited. *Three credit hours.*

138
PLANT BIOLOGY
MR. FOWLES

An introduction to the principles of biology as illustrated by plants, with emphasis on structure, activities, and reproduction of green plants. Satisfies the laboratory science distribution requirement. Cannot be counted toward the biology major. Credit may not be obtained for both Biology 136 and 138. Enrollment limited. *Three credit hours.*

271
INTRODUCTION TO ECOLOGY;
INTRODUCTION TO EVOLUTION
MR. FOWLES, MR. FIRMAGE,
AND MR. COLE

Part I: introduction to ecological principles: structure and function of natural ecosystems, patterns of distribution, energy flow, nutrient cycling, and population dynamics. Field trips are taken to sites representative of terrestrial, fresh-water, and marine habitats. Part II: introduction to the scope, significance, and mechanisms of evolution. Lecture and laboratory.

Prerequisite: Biology 121, 122 or equivalent. *Four credit hours.*

272
CELL BIOLOGY
MR. CHAMPLIN

An introduction to the study of cellular and molecular biology: an examination of the structure and function of nuclear and cytoplasmic components, with emphasis on experimental findings. In-

struction in basic histological and cytochemical techniques is included, in addition to studies of selected cellular properties. Lecture and laboratory.

Prerequisite: Biology 121, 122 or equivalent and Chemistry 141, 142 (may be taken concurrently), or permission of the instructor. *Four credit hours.*

301, 302

BIOLOGY SEMINAR
STAFF

Discussion of contemporary topics in biology. Nongraded.

Prerequisite: Junior standing as a biology or geology-biology major. *One credit hour for the year.*

*311

PLANT CLASSIFICATION
MR. FIRMAGE

Methods and principles of classification, including the use of keys, nomenclature, collection techniques, and plant structural characteristics. Major plant families and the local flora will be stressed. Lecture and laboratory.

Prerequisite: Biology 121 or 138, and 271 (may be concurrent) or permission of the instructor. *Three credit hours.*

313

INVERTEBRATE ZOOLOGY
MISS BENNETT

The morphology, physiology, and classification of the invertebrates. Lecture and laboratory. Beginning in 1979-80, will be offered in second semester.

Prerequisite: Biology 121, 122, 271, and 272, or permission of the instructor. *Four credit hours.*

314

PLANT PHYSIOLOGY
MR. FOWLES

The essential mechanisms of plant functions. Lectures only. Augmented credit of one hour based on the addition of laboratory studies emphasizing the methods of plant physiology.

Prerequisite: Biology 121, 122, 271, and 272, or permission of the instructor. *Three or four credit hours.*

315

CELLULAR PHYSIOLOGY
MR. TERRY

An introduction to physiological processes, with emphasis on the functional organization of the cell, the cellular environment, membrane exchange mechanisms, excitability, and contractility. Lecture and laboratory.

Prerequisite: Biology 121, 122, 271, and 272, or permission of the instructor. *Four credit hours.*

317

ANIMAL HISTOLOGY
MR. EASTON

The structure of cells, tissues, and organs, principally of vertebrates, with aspects of function. Lecture and laboratory.

Prerequisite: Biology 121, 122, 271, and 272, or permission of the instructor. *Four credit hours.*

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- 318
MICROBIOLOGY
MR. TERRY
- The biology of bacteria and viruses. The aims of the course are to develop general knowledge in this area and to give practical experience in techniques. Lecture and laboratory.
Prerequisite: Biology 121, 122, 271, and 272, or permission of the instructor. *Four credit hours.*
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- *319
BIOLOGY OF THE LOWER PLANTS
MR. FOWLES
- Comparative studies of the morphology, development, physiology, and significance of algae, fungi, and bryophytes. Lecture and laboratory.
Prerequisite: Biology 121, 122, 271, and 272, or permission of the instructor. *Four credit hours.*
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- 332
DEVELOPMENTAL BIOLOGY
MISS BENNETT, MR. CHAMPLIN, AND
MR. FOWLES
- A study of development, with emphasis on the experimental findings that have led to present ideas of the morphological and chemical processes underlying the development and growth of organisms. Lecture and laboratory.
Prerequisite: Biology 121, 122, 271, and 272, or permission of an instructor. *Four credit hours.*
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- 333
CHORDATE EVOLUTION
MR. EASTON
- Origin of vertebrate form through consideration of homologies in extinct and living organisms. Lecture and laboratory.
Prerequisite: Biology 121, 122, 271, and 272, or permission of the instructor. *Four credit hours.*
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- †[335]
BIOSYSTEMATICS
- A theoretical view of the taxonomic aspects of biological variation, with emphasis on the processes and mechanisms of variation and evolution at the species level. Research methods will also be considered. Augmented credit of one hour based on a laboratory project using one of the avenues of research discussed in class.
Prerequisite: Biology 121, 122, 271, and 272. *Three or four credit hours.*
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- 352
ECOLOGICAL THEORY
MR. FIRMGAGE AND MR. COLE
- An examination of population and community ecology, emphasizing population regulation, demography, trophic relationships and community structure, and development. Coevolutionary interactions among plants and animals will be considered. Relevance of ecological theory to our environmental crisis will be discussed. Lecture and discussion.
Prerequisite: Biology 121, 122, 271, and 272, or permission of the instructors. *Three credit hours.*

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| <p>†[354] MARINE ECOLOGY</p> | <p>Field and laboratory studies of marine ecosystems, with emphasis on estuarine and coastal communities; quantitative sampling methods and data analysis will be undertaken in group and individual projects. Occasional weekend trips to the coast. Lecture, laboratory, and discussion.</p> <p><i>Prerequisite:</i> Biology 352 (may be taken concurrently). <i>Two credit hours.</i></p> |
| <p>*356 INLAND ECOLOGY MR. FIRMAGE AND MR. COLE</p> | <p>Field and laboratory studies of terrestrial and fresh-water communities; quantitative sampling methods and analysis of data will be accomplished through group and individual projects. Lecture, laboratory, and discussion. Occasional weekend field trips.</p> <p><i>Prerequisite:</i> Biology 352 (may be taken concurrently). <i>Two credit hours.</i></p> |
| <p>358 ECOLOGICAL FIELD STUDY STAFF</p> | <p>A trip to a south temperate or tropical area during the spring recess. Students must cover expenses.</p> <p><i>Prerequisite:</i> Biology 352 (may be taken concurrently) or permission of the instructor. <i>One credit hour.</i></p> |
| <p>371 GENETICS MR. CHAMPLIN</p> | <p>The mechanisms of inheritance, with emphasis on experimental findings. The physical and chemical bases for the behavior of genes in individuals and populations are examined.</p> <p><i>Prerequisite:</i> Biology 121, 122, 271, and 272, or permission of the instructor. Lecture only: <i>three credit hours</i>; lecture and laboratory: <i>four credit hours.</i></p> |
| <p>376 PROBLEMS IN COMPARATIVE ANIMAL PHYSIOLOGY MISS BENNETT</p> | <p>Studies of the manners in which animals of major phyla cope with their functional problems. Both ecological and evolutionary correlations are stressed. Lectures only. Augmented credit of one hour based on the addition of laboratory studies emphasizing the methods of comparative physiology. Beginning in 1979-80, will be offered in first semester.</p> <p><i>Prerequisite:</i> Biology 121, 122, 271, and 272, or permission of the instructor. <i>Three or four credit hours.</i></p> |
| <p>377 TOPICS IN NEUROBIOLOGY MR. MULLER</p> | <p>Lectures, discussions, and readings on the functional organization of nervous systems, and on how nervous information is received, coded, stored, and transmitted by living organisms. Augmented credit of one hour based on addition of laboratory work.</p> <p><i>Prerequisite:</i> Biology 121, 122, 271, and 272, or permission of the instructor. <i>Three or four credit hours.</i></p> |

378
ANIMAL BEHAVIOR
MR. MULLER

An examination of animal behavior from a biological viewpoint. Topics will include the control, development, function, and evolution of behavior. Lectures only. Augmented credit of one hour based on the addition of an independent research problem.

Prerequisite: Two courses in biology and permission of the instructor. *Three or four credit hours.*

491, 492
INDEPENDENT STUDY
STAFF

Normally open only to senior biology majors whose work in the department has been of better-than-average quality.

Prerequisite: Permission of the department. *One to four credit hours.*

Chemistry

111
STUDIES IN ENVIRONMENTAL
BIOCHEMISTRY
MR. MAIER

A few situations in which polluting and ultimately toxic chemicals intrude upon the proper functioning of biochemical systems will be studied in great detail. Intended for environmental studies majors or as a nonlaboratory course for nonscience majors. Enrollment limited.

Three credit hours.

112
TOPICS IN CHEMISTRY
MR. SMITH

Both the philosophical and technological aspects of chemistry are considered in an essentially phenomenological approach. Topics covered include atomic structure, radioactivity, nuclear energy, energy relationships in chemical systems, environmental problems, and industrial applications of chemistry. Intended for environmental studies majors or as a nonlaboratory course for nonscience majors.

Three credit hours.

121e, 122
GENERAL CHEMISTRY
MR. MACHEMER

Fundamental principles, with examples selected from inorganic chemistry; stoichiometry; atomic theory; chemical bonding; thermochemistry; gases, liquids, and solids; solutions; chemical equilibria; electrochemistry; chemistry of certain important elements; radioactivity. Lecture. *Three credit hours.*

141e, 142
GENERAL CHEMISTRY AND
ELEMENTARY ANALYSIS
MR. MACHEMER

Lectures and text the same as 121e, 122 but with four hours of discussion-laboratory added. The first-semester laboratory is concerned with gravimetric analysis, the second with volumetric analysis and qualitative analysis. *Four credit hours.*

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| 221e, 222 ORGANIC CHEMISTRY INSTRUCTOR | The chemistry of carbon compounds, aliphatic, aromatic, and heterocyclic, from the point of view of synthesis, structure, properties, and uses. Lecture. <i>Prerequisite:</i> Chemistry 122. <i>Three credit hours.</i> |
| 241e, 242 ORGANIC CHEMISTRY INSTRUCTOR | Lecture and text material the same as 221e, 222 but with laboratory sessions added: separations, purifications, syntheses, determination of important properties. Lecture, discussion, and laboratory. <i>Prerequisite:</i> Chemistry 142. <i>Five credit hours.</i> |
| 317 INDUSTRIAL CHEMISTRY MR. SMITH | Applications of chemistry and the role of chemical technology in our society. Students will present an oral and a written report on a topic in industrial chemistry. <i>Prerequisite:</i> Chemistry 142. <i>Two credit hours.</i> |
| 331 QUANTITATIVE ANALYSIS MR. MACHEMER | A theoretical and practical study of fundamentals of gravimetric and volumetric methods of analysis. Laboratory work emphasizes the acquisition of manipulative skills. Lectures are devoted to principles underlying chemical analysis, literature of analytical chemistry, precision, and sources of error. Lecture and laboratory. <i>Prerequisite:</i> Chemistry 142. <i>Four credit hours.</i> |
| 332 INSTRUMENTAL ANALYTICAL CHEMISTRY MR. SHATTUCK | Theoretical and practical instruction in special instrumental methods. Laboratory work involves potentiometric determinations, atomic, ultra-violet, infra-red, and nuclear magnetic resonance studies, polarography, gas chromatography, and radio chemistry. Lecture, discussion, and laboratory. <i>Prerequisite:</i> Chemistry 331, 342, and Mathematics 122 (may be taken concurrently with Chemistry 342). <i>Four credit hours.</i> |
| 341, 342 PHYSICAL CHEMISTRY MR. SHATTUCK | The laws governing the physical and chemical behavior of substances, emphasizing the theories and methods of physical chemistry and the application of physical chemical principles to the solution of problems. Lecture, discussion, and laboratory. <i>Prerequisite:</i> Chemistry 331, Mathematics 122 (may be taken concurrently with Chemistry 341), and Physics 122. <i>Five credit hours.</i> |
| 411 INORGANIC CHEMISTRY MR. SMITH | Current models and concepts of inorganic chemistry, with emphasis on both structural and reaction aspects. Topics include bonding and structure, periodic properties, acid-base theories, nonaqueous solvents, applications of thermodynamics, coordination compounds, |

and selected areas of descriptive chemistry of current interest. Lecture and discussion.

Prerequisite: Chemistry 342. *Four credit hours.*

414
INORGANIC SYNTHESSES
MR. SMITH

Syntheses and characterization of inorganic and organometallic compounds that are of interest in recent research studies. Laboratory.

Prerequisite: Chemistry 411. *One to three credit hours.*

431
QUALITATIVE ORGANIC ANALYSIS
INSTRUCTOR

The systematic identification of organic compounds. Lecture and laboratory.

Prerequisite: Chemistry 332 and 342. *Four credit hours.*

†[432]
ADVANCED ORGANIC CHEMISTRY

Advanced topics, varied to suit the needs of the students: alicyclics, heterocyclics, natural products, reaction mechanisms, molecular rearrangements. Lecture.

Prerequisite: Chemistry 242. *Two credit hours.*

434
ADVANCED PHYSICAL CHEMISTRY
MR. SMITH

Important topics in molecular structure and behavior are discussed from a semirigorous point of view. The material can be varied to suit the needs of the student in areas of elementary quantum mechanics, symmetry and group theory, molecular spectroscopy, and statistical mechanics. Lecture.

Prerequisite: Chemistry 342. *Three credit hours.*

447, 448
BIOCHEMISTRY
MR. MAIER

Chemical components of living matter and of the major processes of cellular metabolism, including the fundamental chemical characteristics of biological compounds and enzymatic reactions. Biology 121, 122 are recommended as preparation. Lecture.

Prerequisite: Chemistry 242. *Four credit hours.*

467, 468
BIOCHEMISTRY
MR. MAIER

Lecture and text material the same as 447, 448 but with laboratory sessions added.

Prerequisite: Chemistry 242. *Five credit hours.*

491, 492
INDEPENDENT STUDY
STAFF

Laboratory work of a special (semiresearch) nature may be arranged with the instructor. Three to nine hours per week. *One to three credit hours.*

494
SEMINAR IN BIOCHEMISTRY
MR. MAIER

Reading and discussion of current literature, emphasizing a common theme in an emerging area of biochemistry.

Prerequisite: Chemistry 447 or 467 or permission of the department. *Two credit hours.*

Chinese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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| 121, 122 ELEMENTARY CHINESE INSTRUCTOR | Introduction to spoken and written Mandarin Chinese, to provide a thorough grounding in all the language skills: speaking, listening, reading, and writing. <i>Four credit hours.</i> |
| 123, 124 INTERMEDIATE CHINESE INSTRUCTOR | A continuation of Chinese 122, with greater emphasis on written Chinese. <i>Prerequisite: Chinese 122. Four credit hours.</i> |
| 321, 322 ADVANCED CHINESE INSTRUCTOR | Advanced readings in Chinese. Designed primarily for those students who have had substantial experience in a Chinese-speaking setting. <i>Prerequisite: Chinese 124 or permission of the instructor. Three or four credit hours.</i> |
| 491, 492 INDEPENDENT STUDY INSTRUCTOR | Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite: Permission of the instructor. Two to four credit hours.</i> |

Classics (IN TRANSLATION)

IN THE DEPARTMENT OF CLASSICS

These courses require no knowledge of Latin or Greek. Attention is called also to courses in ancient history.

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| 133 MYTH AND LITERATURE MR. WESTERVELT | While the plots and characters of Greek literature are from the beginning drawn almost invariably from the realm of Greek mythology, the treatment of mythic material depends on the literary form to which it is adapted and the age for which it is written. Readings will focus on the development of a few well-known myths from the archaic age through the fifth century, and will include Homer's <i>Odyssey</i> , selections from the lyric poets, Pindar, and Bacchylides, and representative tragedies of Aeschylus, Sophocles, and Euripides. <i>Three or four credit hours.</i> |
| *232 GREEK TRAGEDY MR. WESTERVELT | The development of tragedy as a dramatic form and its relationship to the contemporary changes in Athenian democracy. Readings will include major plays of Aeschylus, Sophocles, and Euripides, |

and the parody of tragedy in the *Frogs* of Aristophanes. *Three or four credit hours.*

234
THE HEROIC IDEAL IN EARLY
GREEK POETRY
TAYLOR LECTURER

Particular emphasis on Homer's *Iliad* and the odes of Pindar, with some attention to modifications of the heroic ideal that appear in Attic tragedy. *Three or four credit hours.*

491, 492
INDEPENDENT STUDY
STAFF

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.
Prerequisite: Permission of the instructor. *One to three credit hours.*

East Asian Studies

491, 492
INDEPENDENT STUDY
STAFF

Individual study of special problems in East Asian civilization, offered in the departments which participate in the program.
Prerequisite: Permission of the instructor and the program director. *One to four credit hours.*

EAST ASIAN STUDIES MAJOR

Attention is called to the major in East Asian studies, incorporating courses from several departments. Courses approved for this major are listed in the section on Interdisciplinary Studies (q.v.).

Economics

131d
PRINCIPLES OF MACROECONOMICS
STAFF

Principles of macroeconomics and their applications to modern economic problems: national product and income accounting, monetary and fiscal policy, inflation, unemployment, and growth. *Three credit hours.*

132d
PRINCIPLES OF MICROECONOMICS
STAFF

Principles of microeconomics and their applications to modern economic problems: prices, markets, monopoly power, income distribution, and problems of the environment. *Three credit hours.*

211
INTRODUCTION TO MATHEMATICAL
ECONOMICS
MR. HAGENS

Development and application of mathematical techniques commonly used in economics. Topics include national income determination and market models (analysis of systems of equations), comparative static analysis (differentiation), models of household and firm behav-

ior (constrained optimization), growth models (integration), and input-output analysis (matrix algebra).

Prerequisite: Economics 131, 132 and Mathematics 121 or permission of the instructor. *Three credit hours.*

233d
MACROECONOMIC THEORY
STAFF

Analysis of the theories of national income determination, the factors affecting employment and the price level.

Prerequisite: Economics 131, 132. *Three credit hours.*

234d
MICROECONOMIC THEORY
STAFF

The theory of the pricing, distribution, and allocation of resources in a market economy. Emphasis will be placed on the various meanings of economic efficiency.

Prerequisite: Economics 131, 132. *Three credit hours.*

311d
SEMINARS: ECONOMIC ANALYSIS
AND POLICY
STAFF

The methods of economic analysis studied in Economics 131, 132 will be applied to various matters of current economic policy. Each section will consider different policy problems, examples of which might include the economics of warfare, welfare, the mystique of growth, law and economics, energy problems, economics of transport and location, poverty and discrimination, the economics of education and medicine, and radical economics, including a critique of "orthodox" economic theory and an extensive reading of the current literature in radical economics. A description of the topics offered by section will be available at registration.

Prerequisite: Economics 131, 132. *Three or four credit hours.*

*314
ECONOMICS OF POPULATION
MR. DOOLEY

Application of economic analysis to the study of the size and characteristics of human populations; interrelation between economic and population growth in lesser-developed and developed countries; analysis of marital and fertility patterns in the United States, with emphasis on the changing economic role of women; related public policy issues, such as welfare reform, sexual discrimination, and education.

Prerequisite: Economics 131, 132. *Three or four credit hours.*

331
INDUSTRIAL ORGANIZATION AND
ANTITRUST ECONOMICS
MR. MEEHAN

An examination of the structure, conduct, and performance of American industries to determine if the market process efficiently allocates resources to meet consumer demand. An economic analysis of the antitrust laws and an evaluation of their performances. Reference will be made to specific industries and cases.

Prerequisite: Economics 131, 132. *Three or four credit hours.*

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| <p>332 REGULATED INDUSTRIES MR. MEEHAN</p> | <p>An examination of specific regulated markets and the rationale for regulation in each. The economic effects of regulation on price, cost of production, and quality of product or service will be explored. The success of regulation will be evaluated relative to the market outcome that would be expected in the absence of regulation. <i>Prerequisite:</i> Economics 131, 132. Three or four credit hours.</p> |
| <p>†[333] ECONOMIC DEVELOPMENT</p> | <p>The developing areas and their prospects for economic betterment. Analysis of the techniques involved and the problems to be encountered in the growth process. <i>Prerequisite:</i> Economics 131, 132. Three or four credit hours.</p> |
| <p>334 URBAN AND REGIONAL ECONOMICS MR. TIETENBERG</p> | <p>Economic forces that shape the size, structure, and growth of cities; an assessment of the nature of urban problems and the desirability of alternative solutions. Topics include urban transportation, housing, land use, racial conflict, and the current fiscal crisis. <i>Prerequisite:</i> Economics 131, 132. Three or four credit hours.</p> |
| <p>338 MONEY, BANKING, AND MONETARY POLICY INSTRUCTOR</p> | <p>Monetary theory and the banking system of the United States, including problems of money and prices, proper organization and functioning of commercial banking and Federal Reserve systems, monetary standards, and credit control. Analysis, description, and evaluation of monetary policies and their administration. Recent monetary and banking trends. Criteria for appraising monetary performance. <i>Prerequisite:</i> Economics 131, 132. Three credit hours.</p> |
| <p>351 PUBLIC FINANCE MR. HAGENS</p> | <p>Economics of the public sector. Topics include trends in and theories of government spending, externalities, voting mechanisms, social security, welfare programs, tax structure, and tax reform. <i>Prerequisite:</i> Economics 131, 132. Three or four credit hours.</p> |
| <p>352 FISCAL POLICY MR. HAGENS</p> | <p>The effects of fiscal policy on resource allocation, economic growth, inflation, unemployment, and the public debt. Theory and development of fiscal policy in a federal system. <i>Prerequisite:</i> Economics 131, 132. Three or four credit hours.</p> |
| <p>355 LABOR MARKET ECONOMICS MR. DOOLEY</p> | <p>Wage determination and allocation of human resources in union and nonunion labor markets. Theories of labor supply, labor demand, and human capital investment. Related public policy issues, such as minimum wage laws, income maintenance, and discrimination. Impact of collective bargaining. Inflation, unemployment, and macroeconomic policy. <i>Prerequisite:</i> Economics 131, 132. Three or four credit hours.</p> |

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| †[356] UNIONS, COLLECTIVE BARGAINING, AND PUBLIC POLICY | Structure and behavior of American unions. Development of public policy towards unions and collective bargaining. Impact of unions on relative earnings, unemployment, and inflation. Special topics include the resolution of industrial disputes, discrimination, and unionism in the public sector and white collar occupations. <i>Prerequisite: Economics 131, 132. Three or four credit hours.</i> |
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| †[372] EUROPEAN ECONOMIC HISTORY | The framework of economic analysis applied to European historical patterns and trends. Aspects of industrialization, capital accumulation, technology change, trade and migration, and effects of entrepreneurial and government decisions. <i>Prerequisite: Economics 131, 132. Three or four credit hours.</i> |
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| *374 AMERICAN ECONOMIC HISTORY MR. GEMERY | The framework of economic analysis applied to American historical patterns and trends. Aspects of industrialization, capital accumulation, technology change, trade and migration, and effects of entrepreneurial and government decisions. <i>Prerequisite: Economics 131, 132. Three or four credit hours.</i> |
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| 377 ENVIRONMENTAL ECONOMICS MR. TIETENBERG | The relationship between our economic system and the environment; the nature of environmental problems, and existing and alternative policy responses to them. Topics include air and water pollution, population growth, the allocation of exhaustible mineral resources, energy, and the inevitability and desirability of limiting economic growth. <i>Prerequisite: Economics 131, 132. Three or four credit hours.</i> |
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| *381, 382 INTERNATIONAL ECONOMICS MR. HOGENDORN | The nature of international economic relations, including the theory of international trade, international monetary analysis, monetary reform, capital movements and unilateral transfers, commodity agreements and cartels, international economic organizations. <i>Prerequisite: Economics 131, 132. Three or four credit hours.</i> |
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| †[392] COMPARATIVE ECONOMIC SYSTEMS | The basic types of economic systems, with special attention to problems of economic management, planning, and development. Emphasis is on western Europe, Japan, the Soviet Union, and China. <i>Prerequisite: Economics 131, 132. Three or four credit hours.</i> |
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| [393] FOUNDATIONS OF ECONOMETRICS | Applications of basic mathematical and statistical concepts to economic analysis. Economic functions, equilibrium, marginal analysis, systems of equations, derivatives, maxima and minima, probability, |
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random variables and their distributions, and application of matrix algebra to input-output analysis and linear programming. Model building and the links between economic prior and posterior decisions.

Prerequisite: Economics 131, 132. *Three credit hours.*

394
ECONOMETRICS
INSTRUCTOR

Introduction to applied econometrics. Parameter estimation, inference, and hypothesis testing. Problems of designing econometric models.

Prerequisite: Economics 131, 132 and either Economics 393, Mathematics 241, or Mathematics 381. *Three credit hours.*

413
TOPICS IN LAW AND ECONOMICS
MR. TIETENBERG

A seminar examining the common law and the legal system from the point of view of economic theory. The focus is on the effect of the legal system on allocation of resources, both as a substitute for and a complement to the market system. Specific topics to be examined include: the definition and allocation of property rights, the assignment of liability for accidents and defective products, and the effects on the criminal justice system of plea bargaining and the bail system.

Prerequisite: Economics 132 and 234. *Three credit hours.*

431
HISTORY OF ECONOMIC THOUGHT
MR. GEMERY

An examination and appraisal of the development of economic theory. Major writing from the mercantilist period through the Keynesian is included. Extensive use of source material.

Prerequisite: Economics 131, 132 and senior standing. *Three credit hours.*

491, 492
INDEPENDENT STUDY
STAFF

Independent study devoted to a topic chosen by the student with the approval of the department. Students may be invited by the department to prepare a thesis in the second term, successful completion and defense of which will result in the degree being awarded "with honors in economics."

Prerequisite: Senior standing as economics major. *One to four credit hours.*

494
SENIOR SEMINAR
STAFF

A workshop in economics research. Each meeting of this seminar will focus on the current research of a faculty member, an outside speaker, or a student member of the workshop. Each student will be expected to contribute to the general discussions of these research presentations and to lead a seminar on his/her own research.

Prerequisite: Senior standing and department approval of a research proposal. *Three credit hours.*

Education

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| <p>213 SOCIOLOGY OF EDUCATION MR. JACOBSON</p> | <p>Cross-cultural study of the role of the school and the teacher in society, emphasizing the contemporary United States. Emphasis on the development of oral communication and human relations skills. Prerequisite to Education 441. See also Education 253. <i>Prerequisite:</i> An academic average of 2.5 or higher and permission of the instructor. <i>Three credit hours.</i></p> |
| <p>252d DEVELOPMENTAL PSYCHOLOGY MR. ZOHNER</p> | <p>Listed as Psychology 252 (q.v.). Prerequisite to Education 441. See also Education 254. <i>Three credit hours.</i></p> |
| <p>253, 254 FIELD EXPERIENCE IN EDUCATION MRS. MAVRINAC</p> | <p>Five hours weekly to be served as an assistant teacher in a local elementary school; written exercises and evaluations via individual and group projects. Education 253 or 254 prerequisite to Education 441. Nongraded. <i>Prerequisite:</i> Permission of the instructor. Flexible credit. <i>Two or three credit hours.</i></p> |
| <p>273, 274 FIELD EXPERIENCE IN EDUCATION MRS. MAVRINAC</p> | <p>Five hours weekly to be served as an assistant teacher in a preschool setting; written exercises and evaluations via individual and group projects. Nongraded. <i>Prerequisite:</i> Permission of the instructor. Flexible credit. <i>Two or three credit hours.</i></p> |
| <p>333 PHILOSOPHY OF EDUCATION MR. HUDSON</p> | <p>Listed as Philosophy 333 (q.v.). Prerequisite to Education 441. See also Education 353. <i>Three credit hours.</i></p> |
| <p>336 HISTORY OF THE AMERICAN SCHOOL MR. JACOBSON</p> | <p>The evolution of the American school: organization, control, curricula, and teaching methods. Prerequisite to Education 441. See also Education 354. Enrollment limited. <i>Three credit hours.</i></p> |
| <p>353, 354 FIELD EXPERIENCE IN EDUCATION MRS. MAVRINAC</p> | <p>Five hours weekly to be served as an associate teacher in a local junior high school; written exercises and evaluations via individual and group projects. Education 353 or 354 prerequisite to Education 441. Nongraded. <i>Prerequisite:</i> A major commonly taught in secondary school, and permission of the instructor. Flexible credit. <i>Two or three credit hours.</i></p> |

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| <p>373, 374 FIELD EXPERIENCE IN EDUCATION MRS. MAVRINAC</p> | <p>Five hours weekly to be served as an assistant teacher in special education at an area facility; written exercises and evaluations via individual and group projects. Nongraded. <i>Prerequisite:</i> Permission of the instructor. Flexible credit. <i>Two or three credit hours.</i></p> |
| <p>411 THE TEACHING OF ENGLISH OR MODERN FOREIGN LANGUAGES STAFF</p> | <p>Listed as English 411 or Modern Foreign Languages 411 (q.v.). Required of majors who desire the secondary-school-teaching certificate. <i>Three credit hours.</i></p> |
| <p>441, 442 STUDENT TEACHING: THEORY AND PRACTICUM MR. JACOBSON</p> | <p>Secondary-school curricula, materials, media, and teaching methods. Full-time teaching required in January. Both semesters required for certification. See also Education 453. Nongraded. <i>Prerequisite:</i> A B or higher average in certification courses and in a major commonly taught in secondary school, and permission of the instructor and the chairman of the student's major department. <i>Three credit hours.</i></p> |
| <p>453, 454 FIELD EXPERIENCE IN EDUCATION MRS. MAVRINAC</p> | <p>Five hours weekly to be served as a student teacher in a local high school; written exercises and evaluations via individual and group projects. 453 required. Nongraded. <i>Prerequisite:</i> A major commonly taught in secondary school, and permission of the instructor. Flexible credit. <i>Two or three credit hours.</i></p> |
| <p>473, 474 FIELD EXPERIENCE IN EDUCATION MRS. MAVRINAC</p> | <p>Five hours weekly to be served as an assistant teacher in a local adult education program; written exercises and evaluations via individual and group projects. Nongraded. <i>Prerequisite:</i> Permission of the instructor. Flexible credit. <i>Two or three credit hours.</i></p> |
| <p>491, 492 INDEPENDENT STUDY STAFF</p> | <p>Independent study of advanced topics and areas of individual interest. <i>Prerequisite:</i> Permission of the instructor. <i>One to three credit hours.</i></p> |

English

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| <p>111, 112 ENGLISH FUNDAMENTALS INSTRUCTOR</p> | <p>Tutorial aid and intensive drill in the fundamentals of written English for those whose native language is not English or whose training in English is limited. Nongraded.</p> |
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Prerequisite: Recommendation of the department. A student may be passed to English 115 at the end of any term of English 111 or 112. *Three credit hours.*

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| 115 ENGLISH COMPOSITION MR. HARRIS AND OTHERS | Frequent practice in expository writing to foster clarity of organization and expression in the development of ideas. The assigned reading will vary from section to section, but all sections will discuss student writing. Required for freshmen unless exempted. <i>Three credit hours.</i> |
| 117, 118 CREATIVE WRITING MR. MIZNER AND OTHERS | Introduction to the writing of poetry and fiction, with emphasis on student manuscripts. <i>Prerequisite:</i> English 115 or exemption. <i>Three credit hours.</i> |
| 152 INTRODUCTION TO LITERATURE MRS. KENNEY AND OTHERS | Poetry, prose, and drama from different times and cultures. Topics and texts will vary from section to section, but all sections will emphasize close reading, detailed analysis of imaginative literature, and careful critical writing. <i>Prerequisite:</i> English 115 or exemption. <i>Three credit hours.</i> |
| 171 GENERAL SPEECH MR. WITHAM | Fundamental principles of the composition and oral delivery of speeches. Enrollment limited. <i>Two credit hours.</i> |
| 215, 216 INTERMEDIATE EXPOSITORY WRITING WORKSHOPS MR. WITHAM AND OTHERS | Workshops for students wishing to improve their ability to write. Student papers will be presented for workshop criticism so that they may be revised. Focus will be on problems of development and rhetorical structure. Enrollment limited. <i>Prerequisite:</i> English 115. <i>One to three credit hours.</i> |
| 221, 222 MAJOR BRITISH WRITERS MR. ARCHIBALD AND OTHERS | An introduction to British literature, with emphasis on detailed analysis and comparative readings, and some attention to the various methods of inquiry and attempts at understanding. First semester: <i>Beowulf</i> through Milton; second semester: Dryden to the beginnings of the modern movement. <i>Three credit hours.</i> |
| 251d MAJOR AMERICAN WRITERS I MR. BRANCACCIO AND OTHERS | An introduction to American literature—the Puritans to the Civil War—with emphasis on detailed analysis and comparative readings, and some attention to the various methods of inquiry and attempts at understanding. <i>Three credit hours.</i> |
| 252d MAJOR AMERICAN WRITERS II MR. SWENEY AND OTHERS | An introduction to American literature—the Civil War to the modern period—with emphasis on detailed analysis and comparative readings, and some attention to the various methods of inquiry and attempts at understanding. <i>Three credit hours.</i> |

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| <p>253d INTRODUCTION TO AMERICAN STUDIES MR. BASSETT AND OTHERS</p> | <p>Selected texts representing major phases of American thought and culture in the Puritan period, the Age of Reason, and the nineteenth century. Various methods of interdisciplinary inquiry will be used. Recommended for sophomore American studies majors. Formerly listed as English 252. <i>Three credit hours.</i></p> |
| <p>271d2 ARGUMENTATION AND DEBATE MR. WITHAM</p> | <p>Principles of argumentation, with application in extended persuasive speeches and formal debate. <i>Prerequisite:</i> English 171 or permission of the instructor. <i>Three credit hours.</i></p> |
| <p>275d2 THE ART OF THE NARRATIVE FILM MR. SUSS</p> | <p>The elements of structure, characterization, imagery, and style as they contribute to the awareness of meaning and to aesthetic response in various classic examples of filmmaking. <i>Three credit hours.</i></p> |
| <p>†[276] DANTE IN TRANSLATION</p> | <p>The <i>Vita Nuova</i> and the <i>Divine Comedy</i>, drawing upon the philosophy, theology, art, and literature of the period. No knowledge of Italian required. Formerly listed as English 438. <i>Three credit hours.</i></p> |
| <p>†[278] ITALIAN FICTION AND FILM</p> | <p>The fall of fascism and postwar Italy as interpreted by Italian writers and filmmakers. Readings in translation will be drawn from the works of Levi, Silone, Pavese, Vittorini, Lampedusa, and Calvino. Films will include work of Rossellini, de Sica, Fellini, Visconti, Antonioni, and others. <i>Three credit hours.</i></p> |
| <p>315, 316 ADVANCED EXPOSITORY WRITING WORKSHOPS MR. KOONCE</p> | <p>Workshops for students wishing to improve their ability to write on topics studied in other courses. Student papers will be presented for workshop criticism so that they may be revised. Focus on problems of stylistic consistency and force. May be repeated for additional credit. <i>Prerequisite:</i> English 115 and permission of the instructor. <i>One to three credit hours.</i></p> |
| <p>317 INTERMEDIATE FICTION WORKSHOP MR. SADOFF</p> | <p>Practice in the writing of short stories, with major emphasis on student manuscripts. <i>Prerequisite:</i> English 117 or 118 or permission of the instructor. <i>Three credit hours.</i></p> |
| <p>318 INTERMEDIATE POETRY WORKSHOP MR. SADOFF</p> | <p>Practice in the writing of poetry, with major emphasis on student manuscripts. <i>Prerequisite:</i> English 117 or 118 or permission of the instructor. <i>Three credit hours.</i></p> |

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- †[331]
THE MIDDLE AGES
- The development of western European literature in the context of medieval intellectual and cultural history. Major English and continental works from such genres as epic, romance, allegory, and lyric will be studied from a comparative point of view. Special attention will be devoted to selected works of Chaucer and Dante that are especially representative of medieval thought. *Three credit hours.*
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- †[332]
THE RENAISSANCE
- The influence of Renaissance and Reformation thought on the literature of the English Renaissance. Readings will be drawn from the intellectual backgrounds, Spenser, selected plays of the early sixteenth century and of Marlowe, Kyd, Shakespeare, Tourneur, and Webster. *Three credit hours.*
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- *333
THE SEVENTEENTH CENTURY
MR. KOONCE
- Poetic and intellectual traditions in the late sixteenth and seventeenth centuries as represented by Shakespeare, Donne, Milton, Dryden, and selected minor poets. *Three or four credit hours.*
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- 334d1
THE EIGHTEENTH CENTURY
MR. SUTHERLAND
- Selected works by Pope, Swift, Johnson, Blake, and other poets, essayists, novelists, and dramatists of the century. *Three credit hours.*
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- 335d2
THE ROMANTIC PERIOD
MR. MIZNER
- Representative poems of the major romantic poets, with ancillary readings in the novel and the drama designed to explore and test the political, conceptual, and imaginative coherence of romanticism and its relationship to earlier literature. *Three or four credit hours.*
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- 336d1
THE VICTORIAN PERIOD
MISS CURRAN
- Victorian poetry and nonfiction prose, with attention to literary and social background. Emphasis will be on changing concepts, "uses," and forms of poetry between 1830 and 1900, and on the period's general aesthetic theories (with a glance at visual and applied arts). Authors will include Tennyson, Browning, Arnold, Ruskin, the Pre-Raphaelites, Pater, and Hopkins. *Three or four credit hours.*
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- 337
MODERN BRITISH LITERATURE
MR. ARCHIBALD
- The origins, nature, and achievements of the modern movement in England and Ireland. The major authors in 1978-79 will be Yeats, Eliot, and Joyce. *Three credit hours.*
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- 339d2
MODERN BRITISH FICTION
MR. KENNEY
- Representative British novels of the twentieth century by such writers as Conrad, Ford, Lawrence, Woolf, Forster, Waugh, Greene, and Lessing. *Three or four credit hours.*

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- *351
THE AMERICAN RENAISSANCE I
MR. BRANCACCIO
- The major works of Poe, Hawthorne, and Melville. *Three credit hours.*
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- †[352]
THE AMERICAN RENAISSANCE II
- The major works of Emerson, Thoreau, and Whitman. *Three credit hours.*
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- 353
AMERICAN REALISM AND
NATURALISM
MR. KENNEY
- Major works by Twain, Howells, James, Crane, and others in the context of traditions of the novel, and critical theories of the art and purpose of fiction. *Three credit hours.*
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- 355d2
BLACK AMERICAN LITERATURE
MR. JOHNSON
- The major writing of Black Americans, with emphasis on the fiction and poetry of the twentieth century. *Three credit hours.*
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- 356
MODERN AMERICAN FICTION
MR. BASSETT
- Major works of American fiction since 1920—by Faulkner, Hemingway, Fitzgerald, Dos Passos, Steinbeck, Mailer, Nabokov, Bellow, and others—will be analyzed, emphasizing the pattern of experience of the protagonist in conflict with the modern world. *Three credit hours.*
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- 357
AMERICAN POETRY
INSTRUCTOR
- An analysis of the works of major American poets of the nineteenth and twentieth centuries, including Whitman, Dickinson, Frost, Pound, Eliot, and Stevens. *Three credit hours.*
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- 358
CONTEMPORARY AMERICAN
POETRY
MR. SADOFF
- American poetry since 1960: a study of influences (the rise of internationalism, the return to forms, historical and political consciousness), aesthetic documents, and representative volumes of poetry—the deep-image and surrealist schools, the New York School, the new formalists, the political and ethnic poets, including Ashbery, Rich, Strand, Wright, Gluck, and others. Formerly listed as English 338. *Three credit hours.*
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- 371
EIGHTEENTH-CENTURY BRITISH
FICTION
MR. SWENEY
- Representative British novels of the eighteenth century by such writers as DeFoe, Richardson, Fielding, Smollett, and Sterne. *Three or four credit hours.*
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- 372d1
NINETEENTH-CENTURY BRITISH
FICTION
MISS CURRAN
- Representative British novels of the nineteenth century by such writers as Austen, the Brontës, Dickens, Thackeray, Eliot, Meredith, Trollope, and Hardy. *Three or four credit hours.*

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| <p>[373] THE DEVELOPMENT OF DRAMATIC ART I</p> | <p>Discussion of typical plays of the western world in the context of conditions and conventions of performance from Greek and Roman times through the Middle Ages and the early Renaissance. <i>Three credit hours.</i></p> |
| <p>[374] THE DEVELOPMENT OF DRAMATIC ART II</p> | <p>A sequel to English 373, from the later Renaissance through the neoclassic and romantic periods to the beginnings of realism in the nineteenth century. There will be a brief collateral examination of the theater of the Orient. <i>Three credit hours.</i></p> |
| <p>*375 MODERN DRAMA I MR. SUSS</p> | <p>Discussion of typical plays of Europe and America in the context of conditions and conventions of performance, emphasizing the works of Ibsen, Chekhov, and Strindberg. <i>Three credit hours.</i></p> |
| <p>*376 MODERN DRAMA II MR. SUSS</p> | <p>A sequel to English 375, emphasizing plays of the contemporary American and French theaters. The concepts of modern theater theoreticians and practitioners like Antonin Artaud and Jerzy Grotowski will be examined collaterally. <i>Three credit hours.</i></p> |
| <p>377d2 HISTORY OF LITERARY CRITICISM MR. HARRIS</p> | <p>Principles and history of literary criticism, ancient through modern, with special attention to Plato, Aristotle, Coleridge, and Eliot. <i>Three or four credit hours.</i></p> |
| <p>378 HISTORY OF THE ENGLISH LANGUAGE MR. MACKAY</p> | <p>A brief study of the mechanism of speech—primarily to explain the connections between western European Romance and Germanic languages—followed by an examination of the major historical, social, literary, and linguistic reasons for changes in the sound, grammar, spelling, inflection, syntax, and vocabulary of the language from the Anglo-Saxon period to modern American English. <i>Three or four credit hours.</i></p> |
| <p>379d2 BLAKE MR. SUTHERLAND</p> | <p>Close reading of a wide selection of Blake's illuminated poems. Facsimiles and slides will be used in order to emphasize visual aspects of Blake's work. <i>Three or four credit hours.</i></p> |
| <p>383, 384 STUDIES IN SHAKESPEARE MR. KOONCE</p> | <p>Selected plays, with special attention to the intellectual background and to Shakespeare's development as a dramatist. <i>Prerequisite:</i> English 221. <i>Three credit hours.</i></p> |
| <p>391d2 CHAUCER MR. MACKAY</p> | <p>A brief review of the <i>Canterbury Tales</i>; an intensive study of <i>Troilus and Criseyde</i>; and selections from the <i>Parliament of Fowls</i>, the <i>House of Fame</i>, and the shorter poems. <i>Three credit hours.</i></p> |

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- *392d1**
SIDNEY AND SPENSER
MS. MANNOCCI
- The major works of these two authors, including Sidney's *Astrophil and Stella*, *Apology for Poetry*, and *Arcadia*, and Spenser's *Shepherd's Calendar*, *Faerie Queene*, and *Mutability Cantos*. Selected works by other authors such as Petrarch and Ariosto will also be read in an attempt to develop the Renaissance background of Sidney and Spenser and to understand the influences that helped shape their thought. *Three credit hours.*
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- †[394]
MILTON
- The poetry and major prose of John Milton. *Three credit hours.*
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- 411
THE TEACHING OF ENGLISH
INSTRUCTOR
- Tutorials with individual members of the department about current issues, problems, and methods in the teaching of English. Students and tutors will plan each student's practice teaching, and the tutor will occasionally visit his or her classroom. Nongraded.
Prerequisite: Concurrent enrollment in Education 441 or permission of the instructor. *Three credit hours.*
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- 417
ADVANCED POETRY WORKSHOP
MR. SADOFF
- Practice in the writing of poetry, with major emphasis on student manuscripts.
Prerequisite: English 317 or 318 or permission of the instructor. *Three credit hours.*
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- 418
ADVANCED FICTION WORKSHOP
MR. SADOFF
- Practice in the writing of short stories and longer fiction, with major emphasis on student manuscripts.
Prerequisite: English 317 or 318 or permission of the instructor. *Three credit hours.*
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- 433d2
RESTORATION LITERATURE
MR. SWENEY
- The prose, poetry, and drama of 1660-1700, with special emphasis on the works of John Dryden. *Three credit hours.*
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- *436**
AFRICAN PROSE
MR. BRANCACCIO
- Fiction and autobiography dealing with such themes as African traditional culture and the coming of colonialism, the struggle for independence and the problems of development, and the reactions of Africans to the United States. Readings will be restricted to the works of authors writing in English, such as Chinua Achebe, Exekiel Mphahlele, Peter Abrahams, James Ngugi, Stamlake Samkange, and Bessie Head. *Three credit hours.*

437
THE LITERATURE OF
EXISTENTIALISM
MR. MIZNER

Readings in the novel and the drama of Russia, Germany, France, and the United States, from Dostoevski to Walker Percy. *Three credit hours.*

†[472]
ORAL INTERPRETATION

Principles of selection, analysis, and preparation of poetry, prose, and drama for oral presentation before an audience. *Three credit hours.*

491, 492
INDEPENDENT STUDY
STAFF

Individual projects exploring topics for which the student has demonstrated the interest and competence necessary for independent work.
Prerequisite: Consent of a project adviser and permission of the chairman. *One to four credit hours.*

493, 494
SEMINARS IN BRITISH AND
AMERICAN LITERATURE
STAFF

Topics will change each semester, and a complete description will be published before registration. *Three or four credit hours.*

Environmental Studies

491, 492
INDEPENDENT STUDY
STAFF

Individual study of special problems in environmental studies in areas where the student has demonstrated the interest and competence necessary for independent work.
Prerequisite: Permission of the instructor and the program director. *One to four credit hours.*

ENVIRONMENTAL STUDIES MAJOR

Attention is called to the major in environmental studies, incorporating courses from several departments. Courses approved for this major are listed in the section on Interdisciplinary Studies (q.v.).

Field Experience

-95, -96
FIELD EXPERIENCE

Noncurricular experience with direct, demonstrated relationship to the student's curricular program. Flexible credit. Nongraded, credit or no entry, unless otherwise stipulated in project proposal.
Prerequisite: Approval of department or program committee. *One to fifteen credit hours.*

French

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

Unless otherwise specified, all courses numbered above 124 are conducted in French. French 142 or permission of the instructor is required for all courses numbered 200 or higher.

115d

PRACTICAL PHONETICS

MR. FERGUSON

Phonetic analysis and transcription, using the international phonetic alphabet as applicable to French. Taped and printed exercises will focus on individual handicaps. The goal of the course is correct oral interpretation of a prose text in French. Enrollment limited to ten. Does not fulfill language requirement. Nongraded.

Prerequisite: Concurrent enrollment in any-level French course or previous training equivalent to one year of college French; preference given to the former. *Two credit hours.*

121, 122

ELEMENTARY FRENCH

STAFF

Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work. *Four credit hours.*

123, 124

INTERMEDIATE FRENCH

STAFF

First semester: an intensive review of the fundamentals of the language. Practice in the oral-aural skills, supplemented by work in the language laboratory; composition based on short readings. Second semester: a variety of topics and approaches to reading materials in French. Descriptions of each section will be published each year prior to spring registration.

Prerequisite: French 122 or appropriate score on the CEEB achievement test. Permission of department required to take 124 without 123. *Three credit hours.*

131

CONVERSATION AND COMPOSITION

STAFF

Language review with emphasis on oral expression, written composition, style, and vocabulary development. Intended for non-French majors.

Prerequisite: French 124 or appropriate CEEB score. *Three credit hours.*

141, 142

INTRODUCTION TO FRENCH

LITERATURE

STAFF

Introduction to French literature through the reading of selected works. Topics and texts will vary from section to section, but all will emphasize class reading, discussion, and composition. Descriptions of each section will be available at registration.

Prerequisite: French 124 or three years of high school French and appropriate score on the placement test. Qualified students may be admitted to the second semester without the first. *Three credit hours.*

223, 224

FRENCH CIVILIZATION
MR. REITER

The evolution of French society and culture from the Middle Ages to the present. Historical as well as literary and scientific readings will be used to illustrate social and intellectual attitudes. *Three or four credit hours.*

231d

ADVANCED FRENCH
MR. FILOSOFF

A review of French grammar at the advanced level, with frequent *thèmes, versions*, and free composition.

Prerequisite: French 131, 141 or 142 or appropriate CEEB score. *Three credit hours.*

235

QUÉBEC IN TRANSITION
MR. WEISS

The evolution of French Canada based on both literary and non-literary texts, tracing the transition of French-Canadian society from its rural beginnings to the modern cosmopolitan province of Québec. Topics will include agriculturalism, early nationalist movements, French-Canadian migration to New England, urbanization, the language question, and the Parti Québécois. Conducted basically in English; no knowledge of French required. Augmented credit of one hour available with addition of one meeting per week conducted in French and based on readings in French. *Three or four credit hours.*

241, 242

CONTEMPORARY FRENCH
LITERATURE
MR. WEISS AND MR. REITER

An introduction to modern literature through some of the themes that have inspired novels, poetry, and drama. Non-French majors may choose to write papers and examinations in English. *Four credit hours.*

†[251]

INTRODUCTION TO FRENCH-
CANADIAN LITERATURE

A survey of important literary works from the province of Québec, focusing on contemporary authors. Non-French majors may choose to write papers and examinations in English. *Four credit hours.*

345, 346

THE EIGHTEENTH CENTURY
MR. BUNDY

Intellectual and literary developments of the eighteenth century, with major emphasis on the *philosophes*. Some readings in the novel and theater. *Three or four credit hours.*

†[355]

TOPICS IN SEVENTEENTH-CENTURY
FRENCH LITERATURE

Detailed analysis of representative works of French dramatic literature of the Grand Siècle. *Three or four credit hours.*

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| <p>357</p> <p>TOPICS IN NINETEENTH-CENTURY FRENCH POETRY</p> <p>INSTRUCTOR</p> | <p>Baudelaire and the symbolist poets. <i>Three or four credit hours.</i></p> |
| <p>358</p> <p>TOPICS IN NINETEENTH-CENTURY FRENCH LITERATURE</p> <p>MR. FERGUSON</p> | <p>Representative works of the major nineteenth-century novelists: Stendhal, Balzac, Flaubert, and Zola. <i>Three or four credit hours.</i></p> |
| <p>[375]</p> <p>TOPICS IN TWENTIETH-CENTURY FRENCH LITERATURE</p> | <p>Detailed analysis of selected novels of the twentieth century, with special attention to Proust. <i>Three or four credit hours.</i></p> |
| <p>412</p> <p>ADVANCED COMPOSITION AND STYLISTICS</p> <p>MR. OUDIN</p> | <p>Characteristics of French style as seen in various authors. Representative readings, compositions, translations, and introductory work in the history of the language. <i>Three credit hours.</i></p> |
| <p>491, 492</p> <p>INDEPENDENT STUDY</p> <p>STAFF</p> | <p>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.</p> <p><i>Prerequisite:</i> Permission of the instructor. <i>Two to four credit hours.</i></p> |
| <p>[493], 494</p> <p>SEMINAR IN FRENCH LITERATURE</p> <p>INSTRUCTOR</p> | <p>Topics may cover an author, a genre, or a literary movement. The topic for spring 1979 will be announced in September 1978.</p> <p><i>Prerequisite:</i> Permission of the instructor. <i>Three or four credit hours.</i></p> |
| <p>499d</p> <p>LANGUAGE TEACHING</p> <p>STAFF</p> | <p>Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in Modern Foreign Languages 411. Nongraded.</p> <p><i>Prerequisite:</i> Permission of both instructors. Flexible credit. <i>One or two credit hours.</i></p> |

Geology

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| <p>141e, 142</p> <p>INTRODUCTION TO GEOLOGICAL SCIENCE</p> <p>MR. KOONS AND MR. ALLEN</p> | <p>The physical and biological evolution of the earth, with emphasis on mechanisms and processes; laboratory and field sessions. Enrollment limited to three laboratory sections of 25 to 30 students; recommended for those planning to major in geology or environmental studies. Lecture and laboratory. <i>Four credit hours.</i></p> |
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| 161, 162 PROBLEMS IN GEOLOGY MR. PESTANA | Selected topics related to a central theme of geologic time. Most of the topics involve laboratory work in the gathering and interpretation of geological data. Designed for nonmajors. Satisfies the laboratory science distribution requirement. Enrollment limited. <i>Three credit hours.</i> |
| 172 OCEANOGRAPHY MR. PESTANA | A descriptive introduction to physical, dynamical, and biological oceanography. Topics will include: the structure and composition of the ocean and its floor; tides, currents, and other important dynamic features; the nature of ocean life. The value of the oceans for food and physical resources will be discussed. Lecture. <i>Three credit hours.</i> |
| 174 OCEANOGRAPHY LABORATORY MR. PESTANA | Laboratory exercises in oceanography and a field trip to the sea-shore. Enrollment limited to 25 students. <i>Prerequisite:</i> Concurrent enrollment in Geology 172 and permission of the instructor. <i>One credit hour.</i> |
| 215 MINERALOGY MR. ALLEN | Physical properties and chemical structure of minerals leading to investigation of the chemical composition and optical properties of minerals. Lecture and laboratory. <i>Prerequisite:</i> Geology 141, and Chemistry 141 (may be taken concurrently) or permission of the instructor. <i>Four credit hours.</i> |
| [234] ROCKS IN HAND SPECIMEN | Identification and description of rocks in hand specimen, and study of the modes of formation. Igneous, sedimentary, and metamorphic rocks are considered systematically. Field occurrences will be emphasized whenever possible. Lecture and laboratory. <i>Prerequisite:</i> Geology 142 (may be taken concurrently) and permission of the instructor. <i>Four credit hours.</i> |
| 241, 242 FIELD METHODS AND STRUCTURAL GEOLOGY MR. ALLEN | First semester: surface and subsurface mapping techniques applied to geological problems. Second semester: structural geology, including a study of mechanical deformation of rocks, microfabrics, primary structures, structural associations with plate tectonics. <i>Prerequisite:</i> Geology 142. <i>Four credit hours.</i> |
| 251 INVERTEBRATE PALEONTOLOGY MR. PESTANA | Morphology of invertebrates and general principles, including nomenclature, taxonomy, paleoecology, evolution, correlation, and techniques of identification. Lecture and laboratory. <i>Prerequisite:</i> Geology 142 or 161 or one year of biology. <i>Four credit hours.</i> |

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| 252 MICROPALAEONTOLOGY MR. PESTANA | A laboratory course covering one or more of the major microfossil groups. Emphasis will be on identification, age determination, and environmental interpretation. <i>Prerequisite:</i> Geology 251 or permission of the instructor. <i>One to four credit hours.</i> |
| 254 ADVANCED INVERTEBRATE PALEONTOLOGY MR. PESTANA | A laboratory course involving a detailed investigation of one or more invertebrate groups. Emphasis will be on identification, age determination, and environmental interpretation. <i>Prerequisite:</i> Geology 251 or permission of the instructor. <i>One to four credit hours.</i> |
| *292 METEOROLOGY MR. KOONS | Physical properties of the atmosphere, the origin and classification of weather types, air mass analysis and principles of prediction, and meteorology of air quality. Does not satisfy the science requirement. Lecture. <i>Two credit hours.</i> |
| 311 SEDIMENTATION MR. PESTANA | Processes of sedimentation, methods of analysis of sediments, the description and interpretation of environments of deposition, and the classification and description of sedimentary rocks. Lecture and laboratory. <i>Prerequisite:</i> Geology 142 and 215. <i>Four credit hours.</i> |
| †[323, 324] MAP INTERPRETATION AND GEOMORPHOLOGY OF THE UNITED STATES | Origin, history, and classification of landforms, based on study of topographic maps of the United States, leading to an analysis of the structure and geologic history of the geomorphic provinces of the United States. Lecture and laboratory. <i>Prerequisite:</i> Geology 142. <i>Four credit hours.</i> |
| *371 GLACIAL GEOLOGY MR. KOONS | The origin and development of glaciers, with special attention to the Pleistocene of New England. An extended field mapping problem will be assigned. Lecture and laboratory. <i>Prerequisite:</i> Geology 142. <i>Four credit hours.</i> |
| 374 ORE DEPOSITS MR. ALLEN | An investigation of the genesis and localization of ore deposits. Topics may include the history of mineral deposits, materials and formation of ore deposits, supergene sulfide enrichment, paragenesis and zoning, epigenetic versus syngenetic deposits, magmatic segregation deposits and mineral deposits related to regional tectonic environments. <i>Prerequisite:</i> Geology 215 and Chemistry 141. <i>Three credit hours.</i> |

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| <p>381, 382 OPTICAL MINERALOGY; IGNEOUS AND METAMORPHIC PETROLOGY MR. ALLEN</p> | <p>First semester: determination of mineral composition and properties by means of petrographic microscope and emission spectrograph. Second semester: hand-specimen and thin-section examination of igneous and metamorphic rocks to determine structure, composition, and origin. May be taken for credit in addition to Geology 234. Lecture and laboratory. <i>Prerequisite: Geology 215. Four credit hours.</i></p> |
| <p>452 STRATIGRAPHY MR. PESTANA</p> | <p>Principles of stratigraphy. Includes a study of the relationships and correlation of sedimentary rocks. Laboratories include work with index fossils and a detailed analysis and correlation of well samples. Lecture and laboratory. <i>Prerequisite: Geology 251 and 311. Four credit hours.</i></p> |
| <p>483, 484 ENVIRONMENTAL GEOLOGY MR. KOONS</p> | <p>Selected topics dealing with environmental quality. Extensive individual investigation. <i>Prerequisite: Senior standing as an environmental studies major. Three or four credit hours.</i></p> |
| <p>491, 492 INDEPENDENT STUDY STAFF</p> | <p>Field and laboratory problems in geology or environmental problems, with regular reports and a final written report. <i>Prerequisite: Permission of the instructor. One to four credit hours.</i></p> |

German

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

Unless otherwise specified, all courses numbered above 124 are conducted in German. German 242 or permission of the instructor is required for all higher-numbered German courses.

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| <p>116 GERMAN THROUGH SONGS MR. KUETER</p> | <p>Folksongs, chansons, songs from the cabaret and theater (Brecht). Perceptive listening to records and tapes in class and language laboratory. In-class translation, discussion, and interpretation of texts. Does not satisfy the college language requirement. Formerly listed as German 136. <i>Prerequisite: One year of college German or equivalent. Three credit hours.</i></p> |
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| 121, 122 ELEMENTARY GERMAN STAFF | Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work. <i>Four credit hours.</i> |
| 123, 124 INTERMEDIATE GERMAN STAFF | Continued practice in the oral-aural skills; increasing emphasis on reading and writing through use of modern prose and poetry. These studies, and the review of grammar, are supplemented with drill work in the laboratory. <i>Prerequisite:</i> German 122 or two years of high school German and appropriate score on the placement test. Permission of the department required to take 124 without 123. <i>Three credit hours.</i> |
| 131 CONVERSATION AND COMPOSITION STAFF | Language review, with emphasis on oral expression, written composition, and vocabulary development. <i>Prerequisite:</i> German 124 or permission of the instructor. <i>Three credit hours.</i> |
| 223, 224 GERMAN CULTURAL TRADITIONS MR. MCINTYRE | A chronological survey of German history from the rise of the barbarian tribes to the fall of Hitler will serve as the background for a discussion of current trends in the German-speaking countries of Europe. Discussion in either English or German. <i>Prerequisite:</i> German 124 for students desiring credit toward a German major. No prerequisite for discussion class in English. <i>Three credit hours.</i> |
| 241, 242 MASTERPIECES OF GERMAN LITERATURE INSTRUCTOR | Introduction to German literature through readings of selected masterpieces illustrative of major literary movements. <i>Prerequisite:</i> German 124 or equivalent. <i>Three or four credit hours.</i> |
| †[353] TOPICS IN EIGHTEENTH-CENTURY GERMAN LITERATURE | Literature of the classical period: Lessing, Goethe, and Schiller. <i>Three or four credit hours.</i> |
| 355d2 TOPICS IN NINETEENTH-CENTURY GERMAN LITERATURE INSTRUCTOR | The German romantic movement. <i>Three or four credit hours.</i> |
| †[358] TOPICS IN TWENTIETH-CENTURY GERMAN LITERATURE | German literature after 1925. Emphasis on Thomas Mann and Herman Hesse. <i>Three or four credit hours.</i> |

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| <p>491, 492 INDEPENDENT STUDY STAFF</p> | <p>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>Two to four credit hours.</i></p> |
| <p>493, [494] SEMINAR IN GERMAN LITERATURE INSTRUCTOR</p> | <p>Topics, which change each semester, may cover an author, a genre, or a literary movement. <i>Three or four credit hours.</i></p> |
| <p>499d LANGUAGE TEACHING STAFF</p> | <p>Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in Modern Foreign Languages 411. Nongraded. <i>Prerequisite:</i> Permission of both instructors. Flexible credit. <i>One or two credit hours.</i></p> |

Government

IN THE DEPARTMENT OF HISTORY AND GOVERNMENT

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| <p>131, 132 INTRODUCTION TO THE STUDY OF THE POLITICAL ORDER STAFF</p> | <p>An introduction to thought about the art and science of politics and to the study of diverse forms of political action. Each instructor approaches politics in terms of a different problem. A description of the work for each section is available at registration. Students may not study with the same instructor more than one semester. Open to freshmen only. <i>Three credit hours.</i></p> |
| <p>135 IMPERIALISM AND NATIONALISM IN EAST ASIA INSTRUCTOR</p> | <p>International politics in East Asia, with emphasis on imperialist expansion by Japan and western powers (including the United States) and on the emergence of Asian nationalism. Designed to provide a perspective for understanding contemporary international activity in Asia. Attention given to theories of imperialism and to the realities of political and economic expansion. <i>Three credit hours.</i></p> |
| <p>138 JAPAN AND THE UNITED STATES INSTRUCTOR</p> | <p>A survey of relations between Japan and the United States from the Pacific war to the present. Emphasis will be on the consequences for Japan of American policies in the Pacific, particularly those changes growing out of reform programs designed and implemented by the postwar Allied occupation. <i>Three credit hours.</i></p> |
| <p>211 THE AMERICAN SYSTEM AND THE SHAPING OF THE MODERN POLITY MR. MAVRINAC</p> | <p>A systematic introduction to the ideas, practices, and experiences which shape modern polities, focusing on the evolution of the American system beginning with the constitutional period. Underlying philosophies and operational assumptions of other complex political</p> |

systems are considered in order to provide perspective. The goal is to strengthen the student's overall model of the American political system and to help develop an appreciation of contemporary approaches of political scientists to political phenomena. Particularly intended as an introduction to American political thought, and as a foundation for further work in American government and politics, the political systems of other developed societies, and political theory. Designed for students from a variety of majors, including American studies, history, and government. *Four credit hours.*

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- 215
TRANSNATIONAL RELATIONS IN
THE MODERN WORLD
MR. WEISSBERG
- The basic actors, theories, and systematic elements of international politics and their relationship in the fluidity of the modern world. Emphasis is placed on the search for a structure of international security, and on such subjects as transnational power politics (including the role both of traditional states and of contemporary nonstate movements), comparative conceptions of diplomacy and war as instruments of goal achievement, and institutions of collective security. Intended both for students planning further study in international relations and for those who will not have other occasion in college to study the shape of the international system. *Three credit hours.*
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- 231
CONTEMPORARY JAPANESE POLITICS
INSTRUCTOR
- A survey of the political process in postwar Japan, with emphasis on some of the major institutions of political life. Japan is considered as a political system comparable to those of other industrial democracies, in spite of marked differences in social and cultural values. *Three credit hours.*
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- 234
EUROPEAN POLITICS
MR. HAUSS
- An introduction to comparative political analysis and to the politics of Great Britain, France, Italy, and the Federal Republic of Germany. *Three credit hours.*
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- 258
AMERICAN GOVERNMENT AND
POLITICS: THE EXECUTIVE-
LEGISLATIVE CONFLICT
INSTRUCTOR
- The relationship between the executive and legislative branches from theoretical and historical perspectives as well as in the light of current discussion, centering around assertions of presidential powers and prerogatives and congressional efforts to exercise effective control over governmental decision making. Familiarity with material covered in Government 211 is assumed. *Three or four credit hours.*
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- 271
ASIAN REVOLUTIONARY
MOVEMENTS
INSTRUCTOR
- An examination of revolutionary political change in India, China, and Vietnam. The social forces making for revolution, the characteristics of revolutionary leadership, and the problems of mobilization and organization in revolutionary struggles. *Three credit hours.*

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| *314 AMERICAN CONSTITUTIONAL LAW MR. MAVRINAC | The United States Supreme Court and constitutional litigation as part of the American political process. <i>Four credit hours.</i> |
| *316 AMERICAN POLITICAL THOUGHT MR. MAVRINAC | Some of the principal expressions of political values and conceptions of political structure and process as they have appeared in the course of American history. A familiarity with material covered either in Government 211 or Government 321 is assumed. <i>Three credit hours.</i> |
| 321, [322] POLITICAL THEORY MR. MAVRINAC | Some of the principal western approaches to the nature of the political order, with emphasis on the historical delineation of the fundamentals of constitutional theory. Familiarity with material covered in Government 211 is assumed. <i>Three credit hours.</i> |
| 332 POLITICAL DEVELOPMENT IN THE THIRD WORLD INSTRUCTOR | The process of political change and modernization in the Third World. The course will include an introduction to contemporary theories of political development, followed by an examination of the problems of integration, leadership, and stability in new nations. <i>Three credit hours.</i> |
| [333] TOTALITARIAN GOVERNMENT AND POLITICS | The ideological framework, organization, operation, and evolution of such political institutions as those of the Communist world, Nazi Germany, and Fascist Italy, with major attention given to the USSR. <i>Three credit hours.</i> |
| [334] CONTEMPORARY FORMS OF POLITICAL ANALYSIS | The principal approaches to political analysis used by contemporary political scientists. Particular attention is given to the application of these approaches to the study of comparative political institutions. Government 321 is recommended as a preliminary to this course. <i>Three credit hours.</i> |
| [336] INTERNATIONAL ORGANIZATION | The structure, politics, and current operation of international organizations within the nation-state system, with particular emphasis on the United Nations. <i>Three credit hours.</i> |
| †[338] INTERNATIONAL LAW | The body of rules and principles of behavior that govern states in their relations with each other, as illustrated in cases and texts. <i>Three credit hours.</i> |
| *351 THE WELFARE STATE MR. HAUSS | An exploration of the policies and political forces of western Europe's "welfare states." Emphasis will be placed on recent political developments in Great Britain, the Federal Republic of Germany, |

and Sweden. Thorough familiarity with material covered in Government 234 is assumed. *Three credit hours.*

353d2

COMPARATIVE POLITICAL PARTIES
MR. HAUSS

Political parties as organizations in political systems. An introduction to some theories and approaches in the study of parties, and a study of instances, or cases, of party ideology, policy, and structure in several nations. *Three credit hours.*

†[356]

PARTIES AND THE ELECTORAL
PROCESS

An analysis of partisan politics and elections in the United States, emphasizing the role of parties, and dealing with candidates, their staffs, the electorate, and the media. *Three or four credit hours.*

†[357]

POLITICS IN FRANCE AND ITALY

An examination of attempts in both countries to cope with their centralized political structures, fragmented political cultures, and ideological divisions. In particular, the French fifth republic will be contrasted with the postwar Italian republic. Thorough familiarity with material covered in Government 234 is assumed. *Three credit hours.*

359

GOVERNMENT AND THE PRESS
INSTRUCTOR

The role of the press as the “fourth branch of the government,” focusing on the internal workings of the various news media and on the relationships between those who report on the government and government officials. *Four credit hours.*

[377]

SPECIAL PROBLEMS IN LOCAL
GOVERNMENT

Problems vary from year to year, but the general orientation is to a theoretical consideration of the local government process as a part of the general political process in a society. Generally, the constitutional society is the point of reference, and the comparative experience of America, England, and France is emphasized. From time to time, consideration is given to the analogous problem in the totalitarian society. *Three credit hours.*

[391]

THE AMERICAN BUREAUCRAT

The context within which the professionals staffing the executive branch of the American national government work: personnel policies, operating codes, and operating techniques in the national bureaucracy. An analysis will be made within an understanding of the bureaucratic phenomenon as such. *Three credit hours.*

[393]

STATE AND LOCAL GOVERNMENT

The evolution of the federal system, with particular emphasis on current intergovernmental programs together with a comparative

analysis of state and local governments, their organizational patterns and political climates. *Three credit hours.*

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- 413
THE EUROPEAN LEFT SINCE 1945
MR. HAUSS
- A thorough analysis of the evolution of the European left since World War II, with particular attention to the impact of long-term social and economic change on the programs and support of left-wing political parties and movements. Thorough familiarity with the material covered in Government 234 is assumed. *Three credit hours.*
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- 435
SEMINAR IN AMERICAN NATIONAL GOVERNMENT AND POLITICS
INSTRUCTOR
- The American national government as organization and process, and the elements of national political life.
Prerequisite: Permission of the instructor. *Three or four credit hours.*
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- 436
AMERICAN POLITICS SEMINAR : VOTING BEHAVIOR
INSTRUCTOR
- An intensive examination of the social and psychological determinants of voting behavior. *Three credit hours.*
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- 457
FOREIGN POLICY OF THE UNITED STATES
MR. WEISSBERG
- Problems of planning and executing American foreign policy.
Prerequisite: Government 215 or equivalent or permission of the instructor. *Three credit hours.*
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- †[458]
SEMINAR ON THE UNITED NATIONS
- Conducted in the form of a political or judicial organ of the United Nations. Case studies will be presented and analyzed, each participant assuming the role of a representative of the nation-state that is involved in the dispute.
Prerequisite: Permission of the instructor. *Three credit hours.*
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- 478
SEMINAR IN JAPANESE POLITICS
INSTRUCTOR
- An advanced seminar on politics and the policy-making process in postwar Japan. This seminar focuses on the role of political opposition in Japanese politics. Particular attention will be given to left-wing parties and other organizations. *Three credit hours.*
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- 491, 492
INDEPENDENT STUDY
STAFF
- A study of government through individual projects.
Prerequisite: Government major and permission of the department chairman. *One to four credit hours.*

Greek

IN THE DEPARTMENT OF CLASSICS

- 111 Introduction to Homeric Greek. *Four credit hours.*
INTRODUCTORY GREEK
MR. WESTERVELT
-
- 112 Readings in Homer's *Iliad*. Does not satisfy college language requirement. *Four credit hours.*
INTERMEDIATE GREEK
TAYLOR LECTURER
-
- 131 The *Odyssey* of Homer. *Three credit hours.*
INTRODUCTION TO GREEK
LITERATURE
TAYLOR LECTURER
-
- 232 Plato: *Apology, Crito, Euthyphro*. *Three or four credit hours.*
ATTIC PROSE
MRS. KOONCE
-
- [254] Euripides. *Three or four credit hours.*
ATTIC POETRY
-
- [351] Thucydides. *Three or four credit hours.*
GREEK LITERATURE
-
- †[352] Sophocles. *Three or four credit hours.*
GREEK LITERATURE
-
- [353] Demosthenes. *Three or four credit hours.*
GREEK LITERATURE
-
- †[355] Herodotus. *Three or four credit hours.*
GREEK LITERATURE
-
- *356 Plato. *Three or four credit hours.*
GREEK LITERATURE
MRS. KOONCE
-
- *397 Hesiod, the *Homeric Hymns*, and selections from the lyric and elegiac poets. *Three or four credit hours.*
GREEK LITERATURE
TAYLOR LECTURER

[414] Aristophanes. *Three or four credit hours.*
SEMINAR

491, 492 Reading in a field of the student's interest, with essays and confer-
INDEPENDENT STUDY ences. *One to three credit hours.*
STAFF

[493] Aeschylus. *Three credit hours.*
SEMINAR

History

IN THE DEPARTMENT OF HISTORY AND GOVERNMENT

111 A survey of principal developments and trends in European history
THE RISE OF EUROPE from about 1450 to about 1890. The expansion of Europe, Renais-
MR. GILLUM sance, Reformation, Age of Reason, Revolutionary Epoch, roman-
ticism, liberalism, nationalism, socialism, and imperialism are all
given brief attention in an introductory course designed for students
who have not already studied this subject. Enrollment is restricted to
freshmen and may be limited. *Three credit hours.*

112 The diplomatic backgrounds of World War I and World War II
THE DECLINE OF EUROPE and the period of the cold war, with some attention to the causes
MR. GILLUM and consequences of the Suez crisis of 1956, the conflict in Indo-
China, and the wars in the Middle East. Enrollment is restricted to
freshmen and may be limited. *Three credit hours.*

137 A historical survey of the "first Europe" of Christendom from the time
MEDIÆVAL HISTORY, 476-1300 of the fall of Rome and the establishment of the Christian church
MR. BERSCHNEIDER to the beginnings of the Renaissance. Emphasis will be on western
(Latin and Germanic) and nonwestern (Byzantine and Moslem) in-
fluences. Primarily for freshmen but open to sophomores; a limited
number of upperclassmen admitted by special permission. *Three
or four credit hours.*

138 A historical survey of the period of transition between the "first
MEDIÆVAL HISTORY, 1300-1648 Europe" of Christendom and the "second Europe" of sovereign, inde-
MR. BERSCHNEIDER pendent states. Major emphasis will be given to political and social
developments, but attention will also be given to the cultural Renais-

sance and the religious Reformation. Primarily for freshmen but open to sophomores; a limited number of upperclassmen admitted by special permission. *Three or four credit hours.*

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- 151
EAST ASIAN CIVILIZATION
TO 1600
MR. FEIGON
- The development of the various cultures and civilizations of East Asia, particularly China and Japan, and their interaction, from "Peking Man" to the seventeenth century. Archeology, geography, philosophy, anthropology, and political institutions of the region will be discussed, focusing on the distinctive contributions of East Asian civilization in relation to other major cultural centers. *Three credit hours.*
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- 152
EAST ASIAN CIVILIZATION
FROM 1600 TO THE PRESENT
MR. FEIGON
- The final flowering of the traditional civilizations of China and Japan and their eventual response to the modern industrial west. Though the major historical developments within the period will be discussed, the focus will be on the effect these developments have had on the everyday life of the people of the region. *Three credit hours.*
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- 215
AMERICA AND ASIA: ATTITUDES
AND RELATIONSHIPS
MR. FEIGON
- A history of United States attitudes and relations with Asian countries, principally China and Japan, particularly as manifested in such episodes as the opium wars, the anti-Oriental exclusion laws, the open-door policy, the Pacific side of World War II, the Korean War, the war in Vietnam, and present-day U.S.-China and U.S.-Japan relations. The American view of East Asia will be compared with other accounts of life in the region. *Three or four credit hours.*
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- 216
THE CHINESE REVOLUTION
MR. FEIGON
- Modern China, concentrating on the massive upheavals that have shaped her history in the past century, from the Taiping Rebellion of 1850-1864 to the death of Mao. *Three credit hours.*
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- 223, 224
SURVEY OF UNITED STATES
HISTORY
MR. HALEY
- United States history from the age of discovery to the present. Although chronological symmetry is maintained, an effort is made to demonstrate the particular value of political, economic, and constitutional interpretations. Open to a limited number of freshmen. *Three credit hours.*
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- 237
THE EMERGENCE OF MODERN
BRITAIN, 1688-1867
MR. GILLUM
- England during the American, French, and Industrial revolutions. *Three credit hours.*
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- 238
BRITAIN SINCE 1867
MR. GILLUM
- Britain from the age of imperialism through the era of world wars and to the dissolution of the empire. *Three credit hours.*

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- *245, 246**
DIPLOMATIC HISTORY
 MR. BERSCHNEIDER
- Selected topics in diplomatic history. First semester: the modern European state system, an analysis of the diplomatic relations existing among the major European powers from 1815 to approximately 1890. Second semester: the waning of European hegemony and the development of the United States as a world power, from approximately 1890 to 1945. *Three or four credit hours.*
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- [273]
AMERICAN INDUSTRIAL DEVELOPMENT, 1865-1909
- The economic and social impact on the United States of the Industrial Revolution. Focus is upon the twin emergent giants, the factory and the city. Topics include unionism, income scaling, occupational diversity, citied manners, social Darwinism, and political unrest. *Three credit hours.*
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- 277**
BLACK HISTORY I
 MR. HALEY
- The history of the Black American and race relations from the African background to the Civil War. Open to freshmen. *Three credit hours.*
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- 278**
BLACK HISTORY II
 MR. HALEY
- The history of the Black American and race relations from the Reconstruction through the Harlem Renaissance, stressing emancipation, reconstruction, the New South, the Du Bois-Washington conflict, the Niagara Movement, and the rise of the NAACP. Open to freshmen. *Three credit hours.*
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- 311**
TUTORIAL IN HISTORY
 MR. RAYMOND
- Individual work in history, especially for juniors, built around weekly one-hour tutorial sessions between each tutee and the instructor. Enrollment limited to six students.
Prerequisite: Permission of the instructor. *Three credit hours.*
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- 316**
MODERN REVOLUTION
 MR. RAYMOND
- Differing historical explanations of the nature and origin of political revolution, 1500 to 1970. Theories of revolution will be related to a number of specific case studies presented at class meetings and developed through individual student research studies. *Three credit hours.*
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- 317d2**
THE INTRODUCTION OF MARXISM INTO CHINA
 MR. FEIGON
- The development of Marxist thought among many of the most influential members of the Chinese intelligentsia during the 1920's, focusing on two phenomena: the gradual radicalization of Chinese students and intellectuals throughout the late nineteenth and early twentieth centuries as a result of the breakup of the traditional Chinese imperial system; and the evolution and application of Marxist-Leninist theories of revolution in the west during the same period. *Three or four credit hours.*

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- †[318]
THE PEOPLE'S REPUBLIC OF CHINA
- The development of Chinese communist theories and practice since 1949 and their relation to socialist ideas and activities in other countries. Special emphasis will be placed on the socioeconomic background in China within which Maoist theory developed, particularly on the problems involved in attempting to bring about a socialist reorganization of state and society in conditions of economic scarcity. *Three or four credit hours.*
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- [331]
THE BRITISH EMPIRE AND
COMMONWEALTH
- A history of the British empire and its evolution into the modern commonwealth of nations. *Three credit hours.*
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- *333
MEDIEVAL ENGLAND
MR. GILLUM
- A political survey of English history in the Saxon, Norman, Angevin, Lancastrian, and Yorkist periods. *Three credit hours.*
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- †[335]
A CONSTITUTIONAL AND LEGAL
HISTORY OF MEDIEVAL ENGLAND
- English governmental and legal principles in the Saxon period, in the time of Henry II, and in the thirteenth century. Developments since 1307 will be considered briefly. *Three credit hours.*
-
- *336
TUDOR-STUART ENGLAND
MR. GILLUM
- The contest of religious doctrines and the conflict of political concepts, from the Renaissance monarchy of Henry VII to the "Glorious Revolution" of 1688. *Three credit hours.*
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- 341, 342
HISTORY OF RUSSIA AND THE USSR
MR. RAYMOND
- The expansion of the Russian state and the political and social development of the Russian people under the Tsarist and Soviet regimes. *Three credit hours.*
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- †[352]
INTELLECTUAL AND CULTURAL
HISTORY OF MODERN EUROPE
- A historical survey of the changes in the idea of history expressed by representative speculators from Hegel to Heidegger. Major attention will be given to the contributions made by Darwin, Marx, and Freud in the development of the modern ideologies of liberalism, communism, and fascism, and the production of the cultural phenomenon of existentialism. *Three or four credit hours.*
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- 354
AMERICAN INTELLECTUAL AND
SOCIAL HISTORY, 1865-1917
MR. COCKS
- An analysis of the dominant intellectual controversies and their social implications during America's transition from an agrarian to an industrialized society. Focus is upon the effort made by American thinkers to redefine the meaning of community and the relationship of the individual to that community. *Three credit hours.*

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| 355 THE FRENCH REVOLUTION AND NAPOLEON MR. RAYMOND | European history from 1789 to 1815, with emphasis on political and social developments in France. <i>Three credit hours.</i> |
| †[356] MODERN GERMANY | The political and economic development and the international influence of Germany from 1806 to 1945. <i>Three credit hours.</i> |
| †[358] MODERN FRANCE, 1815 TO PRESENT | A survey of the political history of France from 1815 to the present. The theme of "Liberalism and the Challenge of Fascism" will be developed in analyzing and evaluating those currents of thought which have given character to the political developments shaping republicanism in modern and contemporary France. <i>Three or four credit hours.</i> |
| [371] MODERN AMERICAN ELECTIONS | Recent American elections in historical perspective, as illustrated by selected campaigns at the local, state, and national levels. Emphasis is on social and cultural interpretations. <i>Three credit hours.</i> |
| 372 THE AMERICAN CIVIL WAR MR. RAYMOND | The origins and the military and political history of the Civil War from about 1850 to 1865. <i>Three credit hours.</i> |
| 374 CONTEMPORARY AMERICA, 1929 TO PRESENT INSTRUCTOR | The United States from the onset of the Great Depression to the present, integrating social, economic, and political interpretations of this period. <i>Three credit hours.</i> |
| 375 AMERICAN COLONIAL HISTORY MR. KANY | The period of European colonization of North America and of the emergence of the American social and political "system" of 1776 and 1787 that prefigures the United States of the nineteenth and twentieth centuries. <i>Three credit hours.</i> |
| [376] THE ERA OF THE AMERICAN REVOLUTION, 1763-1789 | Interpretations of the coming of the Revolution, the Declaration of Independence, the War, the Articles of Confederation, and the Constitution. Foundations of American institutions and traditions are viewed. <i>Three credit hours.</i> |
| [377] HISTORICAL INTRODUCTION TO AMERICAN STUDIES: THE UNITED STATES, 1824-1850 | Jacksonianism, the rise of the Whig party, the plantation system, the institution of slavery, abolitionism, women's rights, urbanism, and manifest destiny. Social and intellectual developments will be examined together with political and economic issues. Changing interpretations of historians will also be investigated. <i>Three credit hours.</i> |

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| [378] THE UNITED STATES, 1850-1880 | Political, economic, and social developments, including such subjects as disunion and reunion, the Gilded Age, the intellectual and social responses to industrialization and urbanization. <i>Three credit hours.</i> |
| 379 BLACK HISTORY III MR. HALEY | The history of the Black American and race relations from the Harlem Renaissance to 1955, including Blacks and the New Deal and World War II, and events in the Truman and Eisenhower administrations. <i>Prerequisite:</i> History 277, 278 or permission of the instructor. <i>Three credit hours.</i> |
| *391 AMERICAN DIPLOMATIC HISTORY, 1775-1901 MR. BERSCHNEIDER | A historical study of American foreign policy and of the diplomacy conducted by the United States from the time of its war for independence to the time of its specific involvement in the politics of imperialism. <i>Three or four credit hours.</i> |
| [394] SLAVERY AND THE AMERICAN SOUTH: 1819-1857 | Slavery in its institutional form. The development of slavery in an American south making a partial transformation from an agrarian empire to a slightly industrial area. <i>Three credit hours.</i> |
| 415, 416 SEMINAR IN AMERICAN HISTORY INSTRUCTOR | Special topics in American history. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i> |
| 418 SEMINAR IN DIPLOMATIC HISTORY MR. BERSCHNEIDER | A case study in the history of the cold war. An analysis of the diplomatic and military involvement of France and the United States in the movement for Vietnamese independence. Formerly listed as History 417. <i>Prerequisite:</i> History 246 and 358 and Government 271, or permission of the instructor. <i>Three or four credit hours.</i> |
| †[419] SEMINAR IN MEDIEVAL HISTORY | The Crusades, 1095-1274: a critical study of the history and the historiography of the medieval holy wars. Readings in both medieval chronicles and secondary accounts of the Crusades. <i>Three or four credit hours.</i> |
| 432 SEMINAR IN BLACK HISTORY INSTRUCTOR | Group discussion and individual reports based on readings and research on selected topics in Black history from 1955 to the present, including current ideologies and activities in the Black community. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i> |

457
METHODOLOGY OF THE HISTORIAN:
SEMINAR IN MODERN CHINESE
HISTORY
MR. FEIGON

Materials on the Chinese Revolution will be used as a way of examining differing historical methodologies. No background in Chinese history is necessary. The focus will be on some of the broader historical issues raised by a variety of general social and political theories that claim universal validity and that have been influential in shaping interpretations of the Chinese Revolution and its results. *Three credit hours.*

491, 492
INDEPENDENT STUDY
STAFF

A study of history through individual projects.
Prerequisite: History major and permission of the department chairman. *One to four credit hours.*

Human Development

393d
SEMINAR
STAFF

Application of multidisciplinary perspectives to problems in human development. *Two credit hours.*

491, 492
INDEPENDENT STUDY
STAFF

Individual study of special problems in human development in areas where the student has demonstrated the interest and competence necessary for independent work.
Prerequisite: Permission of the instructor and the program director. *One to three credit hours.*

493d
SEMINAR IN HUMAN DEVELOPMENT
STAFF

An interdisciplinary seminar required of all senior majors in human development. Students are expected to develop their own focus in depth and to become articulate in communicating this perspective to their colleagues. *Three credit hours.*

HUMAN DEVELOPMENT MAJOR

Attention is called to the major in studies in human development, incorporating courses from several departments. Courses approved for this major are listed in the section on Interdisciplinary Studies (q.v.).

Japanese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

121, 122
ELEMENTARY JAPANESE
INSTRUCTOR

Introduction to the spoken and written language, to provide a thorough grounding in all the language skills: speaking, listening, reading, and writing. *Four credit hours.*

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| 123, 124 INTERMEDIATE JAPANESE INSTRUCTOR | A continuation of Japanese 122, with greater emphasis on written Japanese. <i>Prerequisite:</i> Japanese 122. <i>Four credit hours.</i> |
| 321, 322 ADVANCED JAPANESE INSTRUCTOR | Advanced readings in Japanese. Designed primarily for those students who have had substantial experience in a Japanese-speaking setting. <i>Prerequisite:</i> Japanese 124 or permission of the instructor. <i>Three or four credit hours.</i> |
| 491, 492 INDEPENDENT STUDY INSTRUCTOR | Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>Two to four credit hours.</i> |

Latin

IN THE DEPARTMENT OF CLASSICS

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| 111 INTENSIVE ELEMENTARY LATIN MR. WESTERVELT | An intensive course in Latin grammar and syntax. <i>Four credit hours.</i> |
| 112 INTERMEDIATE LATIN MR. WESTERVELT | Selected readings from Latin authors. Does not satisfy college language requirement. <i>Three credit hours.</i> |
| 113 INTRODUCTION TO LATIN LITERATURE MRS. KOONCE | Readings in Plautus. Does not satisfy college language requirement. <i>Three credit hours.</i> |
| 232 INTRODUCTION TO LATIN POETRY TAYLOR LECTURER | Readings in Virgil's <i>Aeneid</i> . <i>Three or four credit hours.</i> |
| *251 LATIN LITERATURE MRS. KOONCE | Roman drama. <i>Three or four credit hours.</i> |
| [351] LATIN LITERATURE | Lucretius. <i>Three or four credit hours.</i> |

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| *352 LATIN LITERATURE MR. WESTERVELT | <i>Livy. Three or four credit hours.</i> |
| †[353] LATIN LITERATURE | <i>Roman elegy. Three or four credit hours.</i> |
| [354] LATIN LITERATURE | <i>Cicero: selected speeches. Three or four credit hours.</i> |
| [355] LATIN LITERATURE | <i>Roman satire. Three or four credit hours.</i> |
| †[356] LATIN LITERATURE | <i>Cicero: letters. Three or four credit hours.</i> |
| [357] LATIN LITERATURE | <i>Horace: Odes and Ars Poetica. Three or four credit hours.</i> |
| [358] LATIN LITERATURE | <i>Tacitus. Three or four credit hours.</i> |
| [359] LATIN LITERATURE | <i>Virgil: Eclogues and Georgics. Three or four credit hours.</i> |
| [371] LATIN LITERATURE | <i>Terence. Three or four credit hours.</i> |
| 491, 492 INDEPENDENT STUDY STAFF | <i>Reading in a field of the student's interest, with essays and conferences. One to three credit hours by prior arrangement.</i> |
| [494] SEMINAR | <i>Virgil: Aeneid. Three or four credit hours.</i> |

Linguistics

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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| †[211] INTRODUCTION TO LINGUISTIC TECHNIQUES | <i>A practical introduction to the methodology and techniques of linguistic science. Analysis of grammatical structures and sound systems of language.</i> |
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Prerequisite: Successful completion of any intermediate language course or demonstration of equivalent proficiency. *Three credit hours.*

 †[212]

MAN, WOMAN, AND LANGUAGE

Application of linguistic skills, general knowledge, and common sense to speculate on the larger questions of human communication and culture. The scope of the course is broad; possible topics include dialects, women's speech, semantics, Black English, code breaking, nonhuman communication, jokes, logic, and lies.

Prerequisite: Linguistics 211 or permission of the instructor. *Three credit hours.*

Literature in Translation

OFFERED BY THE DEPARTMENTS OF CLASSICS, ENGLISH, AND MODERN FOREIGN LANGUAGES

 133

MYTH AND LITERATURE

MR. WESTERVELT

Listed as Classics 133 (q.v.). *Three or four credit hours.*

 223, 224

GERMAN CULTURAL TRADITIONS

MR. MCINTYRE

Listed as German 223, 224 (q.v.). *Three credit hours.*

 *232

GREEK TRAGEDY

MR. WESTERVELT

Listed as Classics 232 (q.v.). *Three or four credit hours.*

 *234

THE HEROIC IDEAL IN EARLY

GREEK POETRY

TAYLOR LECTURER

Listed as Classics 234 (q.v.). *Three or four credit hours.*

 235

QUÉBEC IN TRANSITION

MR. WEISS

Listed as French 235 (q.v.). *Three or four credit hours.*

 †[276]

DANTE IN TRANSLATION

Listed as English 276 (q.v.). *Three credit hours.*

[373] Listed as English 373 (q.v.). *Three credit hours.*
THE DEVELOPMENT OF
DRAMATIC ART I

[374] Listed as English 374 (q.v.). *Three credit hours.*
THE DEVELOPMENT OF
DRAMATIC ART II

*375 Listed as English 375 (q.v.). *Three credit hours.*
MODERN DRAMA I
MR. SUSS

*376 Listed as English 376 (q.v.). *Three credit hours.*
MODERN DRAMA II
MR. SUSS

437 Listed as English 437 (q.v.). *Three credit hours.*
THE LITERATURE OF
EXISTENTIALISM
MR. MIZNER

Mathematics

113d Basic concepts and techniques of higher algebra that will be useful
LINEAR ALGEBRA in further applications of mathematics. Systems of equations and
STAFF matrices are used as vehicles for this study. *Three credit hours.*

121d Elementary differential and integral calculus. *Three credit hours.*
CALCULUS I
STAFF

122d Further study of differential and integral calculus, with selected
CALCULUS II applications.
STAFF *Prerequisite: Mathematics 121. Four credit hours.*

221d An introduction to complex arithmetic; vectors from a geometric
CALCULUS III viewpoint; solutions of linear systems of algebraic equations and
STAFF matrix algebra. Also an introduction to linear spaces and linear transformations; theory and applications of determinants, eigenvalues and eigenvectors of linear transformations and matrices, and the

principal axis theorem; quadratic forms. An introduction to first order systems of linear differential equations.

Prerequisite: Mathematics 122. *Four credit hours.*

222d2
CALCULUS IV
STAFF

Topics in multivariable calculus and a continuation of work in differential equations.

Prerequisite: Mathematics 221. *Four credit hours.*

241d, 242
ELEMENTARY STATISTICS I AND II
STAFF

Statistics I: descriptive statistics, elementary probability theory, binomial and normal distributions, elementary sampling theory, tests of hypotheses, confidence intervals, nonparametric statistics, correlation. Applications are emphasized. Offered each semester. Statistics II: a continuation, including regression, analysis of variance, and time series. Offered second semester only. Neither course open to mathematics majors.

Prerequisite: Mathematics 121. Mathematics 241: *four credit hours*; 242: *two credit hours.*

†[243, 244]
FINITE MATHEMATICS

Selected topics from modern mathematics useful in the biological and social sciences, including probability, elements of modern algebra, and an introduction to linear programming and the theory of games. Statistics is not treated but is offered in other courses. Not open to mathematics majors.

Prerequisite: Mathematics 113 or 121. *Three credit hours.*

311
DIFFERENTIAL EQUATIONS
MR. GOULET

Theory and solution methods of first and second order ordinary differential equations with applications; first order linear systems, solutions, and stability.

Prerequisite: Mathematics 222 or permission of the instructor. *Three credit hours.*

312
TOPICS IN ANALYSIS
MR. GOULET

A continuation of Mathematics 311. Linear systems, stability and linearization of nonlinear systems, partial differential equations, particularly linear equations. Also Fourier series, Fourier transforms, Sturm-Liouville theorem as applied to partial differential equations; an introduction to potential theory; Green's functions.

Prerequisite: Mathematics 311. *Three credit hours.*

332
INTRODUCTORY NUMERICAL
ANALYSIS AND PROGRAMMING
INSTRUCTOR

Solution by numerical methods of linear and nonlinear equations, systems of equations, and differential equations; numerical integration; polynomial approximation; matrix inversion; error analysis. A time-sharing computer system will be used to solve problems.

Prerequisite: Some programming experience, Mathematics 222, or permission of the instructor. *Three credit hours.*

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| 352 COMPLEX VARIABLES INSTRUCTOR | The arithmetic and calculus of complex numbers. The properties of analytic functions, including mapping by elementary functions, conformal mapping, residues, and poles. <i>Prerequisite: Mathematics 222. Three credit hours.</i> |
| 361, 362 HIGHER ALGEBRA MR. HAYSLETT | Introduction to algebraic structures, such as groups, rings, integral domains, and fields. <i>Prerequisite: Mathematics 222. Three credit hours.</i> |
| 372 DISCRETE MATHEMATICS STAFF | Selected topics in modern mathematics and operations research that have applications in current societal problems. The content will vary from year to year, but topics such as graph theory, combinatorics, game theory, linear programming, optimization techniques, and Markov chains would be considered. <i>Prerequisite: Mathematics 222. Three or four credit hours.</i> |
| 381, 382 MATHEMATICAL STATISTICS INSTRUCTOR | Random variables, special probability distributions, moment generating functions, maximum likelihood estimators, sampling distributions, regression, tests of hypotheses, confidence intervals, linear models, analysis of variance. Although applications are discussed, emphasis is on theory. <i>Prerequisite: Mathematics 222. Three credit hours.</i> |
| 401, 402 MATHEMATICS SEMINAR STAFF | Discussion of topics in pure and applied mathematics. Nongraded. <i>Prerequisite: Senior standing in the mathematics major or a combined major including mathematics. One credit hour for the year.</i> |
| 421, 422 ADVANCED CALCULUS INSTRUCTOR | More advanced topics of calculus and an introduction to real analysis. <i>Prerequisite: Mathematics 222 and senior standing, or permission of the instructor. Three credit hours.</i> |
| 431d2 INTRODUCTION TO TOPOLOGY INSTRUCTOR | General topology, including such topics as elementary point set topology, mapping, and metric spaces. <i>Prerequisite: Mathematics 421 or permission of the instructor. Three credit hours.</i> |
| [432] HIGHER GEOMETRY | Properties of various geometries, with emphasis on axiomatic development. <i>Prerequisite: Mathematics 361, 362. Three credit hours.</i> |

491, 492

INDEPENDENT STUDY
STAFF

Independent study in an area of mathematics of particular interest to the student.

Prerequisite: Mathematics major and permission of the department. *Two to four credit hours.*

Modern Foreign Languages

411

TEACHING OF MODERN FOREIGN
LANGUAGES
MR. BUNDY

Problems and methods of teaching modern foreign languages. Readings, discussions, practice work, and criticism. Some attention is also directed to the FLES program. Counts as three hours in education toward the Maine secondary-school-teaching certificate. Conducted in English. Nongraded.

Prerequisite: Two 200-level modern foreign literature courses. *Three credit hours.*

491, 492

INDEPENDENT TOPICS IN MODERN
FOREIGN LANGUAGES
STAFF

Individual projects in language or literature in which the student has demonstrated the interest and competence necessary for independent work.

Prerequisite: Permission of the department chairman. *Two to four credit hours.*

Music

111d

INTRODUCTION TO MUSIC
STAFF

Introduction to the western musical tradition and development of perceptive listening through the study of selected works from the Middle Ages to the present. No previous knowledge of music assumed. Cannot be counted toward the music major. *Three credit hours.*

†[131]

STUDIES IN AMERICAN MUSIC

Aspects of American music, examined from historical and critical perspectives. Areas to be studied may include topics in the eighteenth and nineteenth centuries, the works of important contemporary composers, or music in popular culture. A description of specific topics to be covered will be published before registration.

Prerequisite: Music 111 or permission of the instructor. *Three credit hours.*

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- *134d1**
THE SYMPHONY
 MR. ARMSTRONG
- Representative symphonies from the eighteenth century to the present. Primarily for students not intending to major in music.
Prerequisite: Music 111 or permission of the instructor. *Three credit hours.*
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- †[151]**
MUSIC IN THE LIBERAL ARTS
- An exploration of relationships between the art of music and other areas within the liberal arts. Such areas might include physics, mathematics, physiology and psychology, philosophy and aesthetics, the visual arts, anthropology and sociology, language and literature, historical or area studies, theater and dance, and religion. A description of specific topics to be studied will be published before registration; the choice of topics will depend in part on the background of prospective registrants and on the availability of guest lecturers. *Three credit hours.*
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- 153d**
INTRODUCTION TO MUSIC THEORY
 MISS HEINRICH AND MR. ARMSTRONG
- An introductory survey of the main aspects of music theory, including intervallic, melodic, and rhythmic dictation, creative writing, and analytical studies of representative compositions from various historical periods. Primarily for students not intending to major in music. Formerly listed as Music 163, 164. *Three credit hours.*
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- 171**
MUSIC THEORY I
 MRS. REUMAN
- Within a sequence of courses designed to present analytical skills for understanding the elements and structure of tonal music, Music Theory I covers skills pertaining to notation, intervals, scales, tonality, and melodic construction. Includes ear training and sight singing. Primarily for music majors.
Prerequisite: Permission of the instructor. *Four credit hours.*
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- 172**
MUSIC THEORY II
 MRS. REUMAN
- A continuation of Music Theory I, covering skills pertaining to further melodic analysis, two- and three-part writing, and basic chord structure. Primarily for music majors.
Prerequisite: Music 171 and keyboard proficiency test. *Four credit hours.*
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- 191, 192**
APPLIED MUSIC: INDIVIDUAL STUDY
 STAFF
- Instruction in voice and instruments for qualified students. Possible offerings in 1978-79, depending upon demand, include flute, guitar, harpsichord, organ, piano, trombone, trumpet, viola, violin, violoncello, and voice. For additional information concerning fees and related matters, see the applied music statement following Music 499. Interested students should consult the department before registering. May be repeated for additional credit. Nongraded.

Prerequisite: Music 153 or 171 (may be taken concurrently) and permission of the department. Flexible credit. *One or two credit hours.*

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| <p>193, 194 APPLIED MUSIC: ENSEMBLE STAFF</p> | <p>Optional credit for participation in musical organizations and ensembles for students of applied music. In addition to the college band, chapel choir, glee club, and symphony orchestra, the department will undertake to form small ensemble groups as the need arises. Interested students should consult the department for additional information before registering for credit. May be repeated for additional credit. Nongraded.</p> <p><i>Prerequisite:</i> Concurrent enrollment in Music 191, 192 and permission of the department. Flexible credit. <i>One credit hour.</i></p> |
| <p>211 MUSIC HISTORY I MR. ARMSTRONG</p> | <p>The history of western music from the Middle Ages to 1750. Primarily for music majors.</p> <p><i>Prerequisite:</i> Music 171. <i>Four credit hours.</i></p> |
| <p>216 MUSIC HISTORY II MR. MACHLIN</p> | <p>The history of western music from 1750 to 1870. Primarily for music majors.</p> <p><i>Prerequisite:</i> Music 172. <i>Four credit hours.</i></p> |
| <p>217 MUSIC HISTORY III MR. RÉ</p> | <p>The history of western music from 1870 to the present. Primarily for music majors.</p> <p><i>Prerequisite:</i> Music 172. <i>Four credit hours.</i></p> |
| <p>*231d2 CHANSONS AND LIEDER MISS HEINRICH</p> | <p>A detailed study of art songs, French chansons, and German lieder, with emphasis given to the songs and song cycles of Schubert, Schumann, Brahms, Mahler, Wolf, Debussy, and contemporary composers. Open to freshmen.</p> <p><i>Prerequisite:</i> A college-level course in music history or theory. <i>Three or four credit hours.</i></p> |
| <p>†[233] STUDIES IN MEDIEVAL AND RENAISSANCE MUSIC</p> | <p>Selected aspects of the music of the Middle Ages and Renaissance, with emphasis on a study of performance practices; students will combine in a collegium musicum to perform some of the works studied. A description of specific topics to be covered will be published before registration.</p> <p><i>Prerequisite:</i> A college-level course in music history or theory. <i>Three or four credit hours.</i></p> |
| <p>*234 STUDIES IN BAROQUE MUSIC MISS HEINRICH</p> | <p>Selected aspects of baroque music. A description of specific topics to be covered will be published before registration.</p> <p><i>Prerequisite:</i> A college-level course in music history or theory. <i>Three or four credit hours.</i></p> |

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| <p>*235 CHAMBER MUSIC MRS. REUMAN</p> | <p>The development of chamber music written for various groups, with emphasis on representative composers and works. Augmented credit of one hour based on participation in a performance laboratory. <i>Prerequisite:</i> A college-level course in music history or theory. <i>Three or four credit hours.</i></p> |
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| <p>271 MUSIC THEORY III MR. RÉ</p> | <p>A continuation of Music Theory II, covering the elements of harmony, including an introduction to chromatic harmony. Primarily for music majors. <i>Prerequisite:</i> Music 172. <i>Four credit hours.</i></p> |
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| <p>†[278] OPERA AS THEATER</p> | <p>A historical study of principles of opera production, with laboratory experience in staging scenes from several periods. <i>Prerequisite:</i> Permission of the instructor. <i>Four credit hours.</i></p> |
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| <p>*332 STUDIES IN OPERATIC STYLE MR. MACHLIN</p> | <p>Representative operas will be examined in detail, noting the individual stylistic tendencies of the composer, as well as the various ways in which the music reflects aesthetic trends of the age in which it was composed. <i>Prerequisite:</i> Music 172 and one college-level course in music history, or permission of the instructor. <i>Four credit hours.</i></p> |
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| <p>372 COMPOSITION I MR. RÉ</p> | <p>Creative writing for students prepared to undertake original work in composition. <i>Prerequisite:</i> Music 271 and permission of the instructor. <i>Three or four credit hours.</i></p> |
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| <p>374 COMPOSITION II MR. RÉ</p> | <p>Additional opportunities for original creative work in music. <i>Prerequisite:</i> Music 372 and permission of the instructor. <i>Three or four credit hours.</i></p> |
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| <p>†[376] COUNTERPOINT</p> | <p>A study of the principles of sixteenth-, seventeenth-, and eighteenth-century polyphony. Composition of canons, inventions, and fugues. Analysis of representative works. <i>Prerequisite:</i> Music 271. <i>Three credit hours.</i></p> |
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| <p>*378 CONDUCTING MR. RÉ</p> | <p>Score reading, studies in basic baton technique. Analysis of works of various periods and application of conducting techniques to stylistic interpretation. <i>Prerequisite:</i> Music 271 and permission of the instructor. <i>Three credit hours.</i></p> |

491, 492
INDEPENDENT STUDY
STAFF

Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work. Primarily for senior music majors.

Prerequisite: Permission of the department. *One to four credit hours.*

493, [494]
SEMINAR IN MUSIC
MR. MACHLIN

Topics will change each semester; a complete description will be available before registration. Primarily for senior music majors.

Prerequisite: Music 271 and permission of the instructor. *Three or four credit hours.*

499d
MUSIC TEACHING
STAFF

Directed practice in conduct of introductory music courses. Open to a limited number of upperclass music majors. Nongraded.

Prerequisite: Permission of the department. Flexible credit. *Two credit hours.*

APPLIED MUSIC

Private lessons in voice and a variety of instruments are available, with or without academic credit, at additional cost. Students of applied music are invited to participate in the college band, chapel choir, glee club, and symphony orchestra, with or without academic credit; small ensembles are also formed from time to time. For information concerning academic credit, see the statements for Music 191, 192 and 193, 194. In the case of Music 191, 192, a fee of \$120 is charged for each semester of instruction in a two-credit course; for a one-credit course the fee is \$70. Fees are payable on the semester bill. Students are not charged for membership in musical organizations or small ensembles.

All majors are expected to demonstrate some skill at the keyboard; consult the department. Students not already proficient are urged to remedy this deficiency as soon as possible by enrolling for piano study.

The department reserves some scholarship money to aid talented students of applied music; consult the chairman.

Performing Arts

121, 122
THEATER PRODUCTION
MR. WOODY

A basic course in stage design, building, care, management, and practice. One of the requirements of the course will be the practical application of theory to production. Flexible credit. *Three or four credit hours.*

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| 171 ACTING I MR. SEWELL | Basic techniques of stage performance. Flexible credit. <i>Three credit hours.</i> |
| 221, †[222] THEATER HISTORY MR. WITHAM | The history of significant developments in western theater from the classical Greek period to the beginnings of realism and naturalism. Emphasis will be placed on influential changes occurring in theater architecture and scene design, and on innovative contributions made by various playwrights, producers, and performers. <i>Three credit hours.</i> |
| 231 STAGE LIGHTING MR. WOODY | Principles and tools of stage lighting, with special emphasis on translating design ideas to the physical stage. Attendance at several college productions and work on one production is required. <i>Prerequisite:</i> Performing Arts 121 and permission of the instructor. Flexible credit. <i>Two credit hours.</i> |
| †[241, 242] INTRODUCTION TO THE ART OF DANCE | A historic survey of the art of dance from its primitive ritual beginnings to its development as an art form in western civilization. The course includes lectures, films, an introduction to basic theory, composition, and movement experience. No dance experience necessary. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i> |
| 251 STAGE MOVEMENT MS. MITCHELL-WENTZEL | A study of basic body movement and efficiency of movement. The course will deal mostly with improvisational problems geared for the stage. Flexible credit. <i>Three credit hours.</i> |
| †[272] ACTING II | Advanced techniques of stage acting. Scenes and short plays. <i>Prerequisite:</i> Performing Arts 171 or permission of the instructor. Flexible credit. <i>Three or four credit hours.</i> |
| *274 PERFORMING THE CLASSICS MR. SEWELL | Diction, style, interpretation in classical theater. Memorized scene work from <i>The Trojan Women</i> , <i>Much Ado About Nothing</i> , <i>The Rivals</i> , and other classical plays. An actor's study of poetics, including vocabulary. <i>Prerequisite:</i> Performing Arts 171 or permission of the instructor. Flexible credit. <i>Three credit hours.</i> |
| *341, 342 MODERN DANCE COMPOSITION AND THEORY MS. MITCHELL-WENTZEL | Compositional problems relating to the theories of various modern dance artists, improvisational problems, a study of the modern dance repertory through films and direct movement experience. Not offered if enrollment below eight. |

Prerequisite: Service class in modern dance or movement and permission of the instructor. Flexible credit. *Three credit hours.*

491, 492

INDEPENDENT STUDY

STAFF

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.

Prerequisite: Permission of the instructor. Flexible credit unless otherwise stipulated by instructor in writing to registrar. *One to four credit hours.*

PERFORMING ARTS PROGRAM

For additional offerings in the performing arts, see section on Interdisciplinary Studies.

Philosophy

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

112d

LOGIC

INSTRUCTOR

The techniques of formal reasoning and their application to argumentation in ordinary language. *Three credit hours.*

133

INTRODUCTION TO WESTERN
PHILOSOPHY I

MR. HUDSON AND OTHERS

Some typical problems in western philosophy: ethics, sociopolitical philosophy, and philosophy of religion. *Three credit hours.*

134

INTRODUCTION TO WESTERN
PHILOSOPHY II

MR. HUDSON AND OTHERS

Some typical problems in western philosophy: theory of knowledge, metaphysics, and philosophy of science. *Three credit hours.*

211

MORAL PHILOSOPHY

MR. REUMAN

The bases of judgment on questions of good and bad, right and wrong; the application of ethical principles to problem cases. *Three credit hours.*

†[236]

SOCIAL PHILOSOPHY

Readings from Plato, Locke, Rousseau, Marx, and others; their relevance to contemporary problems. *Three credit hours.*

*258

INTERMEDIATE LOGIC

INSTRUCTOR

A treatment of philosophical problems arising from logic and mathematics, e.g., the nature of axiomatic theories, the limitations of the axiomatic method, the nature of logical and mathematical truth, nominalism and realism, and the relation of logic to philosophy.

Prerequisite: Philosophy 112 or permission of the instructor.
Three credit hours.

[277], 278

PHILOSOPHICAL PERSPECTIVES
MR. HUDSON

Interdisciplinary considerations of various topics, involving lecturers from several departments. In the spring of 1979: "Philosophical Perspectives on Death." Reading and discussion of material from the writings of philosophers, psychologists, literary figures, and scientists. Topics will include death and dying, suicide, euthanasia, legal and medical issues, and the question of immortality. *Three credit hours.*

281, 282

CULTURAL EUTHENICS: A NEW
ADAM AND A NEW EDEN
MR. TODRANK

Listed as Religion 281, 282 (q.v.). *Three or four credit hours.*

[313]

AESTHETICS

Problems that arise in analyses and criticisms of the arts.

Prerequisite: Three hours of philosophy or permission of the instructor. *Three credit hours.*

†[316]

METAPHYSICS

A contemporary approach to the problem of reality or being and such metaphysical topics as time, space, substance, and causality. Attention also to methods for dealing with metaphysical problems and of validating metaphysical claims. *Three credit hours.*

†[317]

PHILOSOPHY OF SCIENCE

Inductive logic and problems in the philosophy of science. Observation, law, explanation, theory, and associated concepts in the social and natural sciences will be considered. *Three credit hours.*

†[318]

ETHICS AND GENERAL THEORY OF
VALUE

Philosophic approaches to the nature of value, especially ethical judgments. Among the views considered will be intuitionism, emotivism, "good reasons" theory, and those relating to scientific findings.

Prerequisite: Philosophy 211 or permission of the instructor.
Three credit hours.

331

HISTORY OF ANCIENT PHILOSOPHY
MR. PARKER

Comparative study of the philosophical systems of Plato and Aristotle, with secondary attention to the pre-Socratics, Socrates, Epicurus, the Stoics, and Plotinus. *Three or four credit hours.*

332

HISTORY OF MODERN PHILOSOPHY
MR. PARKER

European philosophy from Descartes to the nineteenth century, with special attention to the works of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant. *Four credit hours.*

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| <p>333 PHILOSOPHY OF EDUCATION MR. HUDSON</p> | <p>Philosophical positions held by theorists from Plato to Dewey; primarily for teacher candidates majoring in subjects commonly taught in high schools. Other students may elect this course with permission of the instructor. <i>Three credit hours.</i></p> |
| <p>†[352] AMERICAN PHILOSOPHY</p> | <p>Representative thinkers in each major period and movement in American philosophical thought, and an attempt to relate the teachings of these thinkers to contemporary philosophical, educational, and social issues. <i>Three credit hours.</i></p> |
| <p>353 CONTEMPORARY ANALYTIC PHILOSOPHY INSTRUCTOR</p> | <p>Major figures in the analytic tradition from 1900 to the present, with particular emphasis on Russell, Wittgenstein, and Quine. <i>Prerequisite:</i> Two semester courses in philosophy or permission of the instructor. <i>Three credit hours.</i></p> |
| <p>[355] INDIAN THOUGHT</p> | <p>Types of Indian philosophy of the ancient period. <i>Prerequisite:</i> Two semester courses in philosophy and/or religion; no previous Indian thought. <i>Three credit hours.</i></p> |
| <p>[356] INDIAN THOUGHT</p> | <p>Types of Indian philosophy of the modern period. <i>Prerequisite:</i> Two semester courses in philosophy and/or religion. <i>Three credit hours.</i></p> |
| <p>359 NINETEENTH-CENTURY PHILOSOPHY INSTRUCTOR</p> | <p>Post-Kantian thinkers such as Hegel, Kierkegaard, Schopenhauer, Nietzsche, and Bergson. Special attention to the revolt against reason, evolution, and alienation. <i>Prerequisite:</i> Philosophy 331 and 332, or permission of the instructor. <i>Three credit hours.</i></p> |
| <p>*372 PHILOSOPHY OF RELIGION MR. PARKER</p> | <p>Some of the principal philosophical problems concerning the nature and justification of religious belief and experience, problems such as the nature of God, arguments for the existence of God, the problem of evil, mysticism, and the relation of faith and reason. <i>Prerequisite:</i> One course in philosophy and one course in religion, or permission of the instructor. <i>Three credit hours.</i></p> |
| <p>*373 HISTORY OF MEDIEVAL PHILOSOPHY MR. THORWALDSEN</p> | <p>History of philosophy from Augustine to Ockham. The principal issue studied is the problem of the reconciliation of faith and reason in the work of the scholastics. <i>Prerequisite:</i> Philosophy 331. <i>Three or four credit hours.</i></p> |

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| †[374] EXISTENTIALISM AND PHENOMENOLOGY | A survey of the principal thinkers of twentieth-century existential philosophy, with minor attention to phenomenology. Readings will be from some of the following: Heidegger, Sartre, Jaspers, Marcel, Buber, and Merleau-Ponty. Philosophy 359 is a desirable background but is not required. <i>Prerequisite:</i> Two semester courses in philosophy or permission of the instructor. <i>Three credit hours.</i> |
| 391, [392] PHILOSOPHY SEMINAR MR. HUDSON | Seminars in selected areas of philosophy. In 1978-79 the topic will be "Philosophical Anthropology." Studies in the nature and destiny of man. Open to majors and nonmajors. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i> |
| 491, 492 INDEPENDENT STUDY STAFF | Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>One to four credit hours.</i> |

Physical Education

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| 311, 312 COACHING OF TEAM SPORTS AND ADMINISTRATION OF ATHLETICS MR. MCGEE AND MR. NELSON | Principles and methods of coaching team sports. Policies and practices in organization and administration of athletic programs. Brief exposure to physiology of exercises and care and prevention of athletic injuries. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i> |
| 323, 324 PRINCIPLES AND METHODS OF PHYSICAL EDUCATION MRS. BITHER, MR. NELSON, AND INSTRUCTOR | Policies, practices, standards, and educational methods of secondary school physical education and coaching of individual sports. Physiology of exercise, prevention and care of athletic injuries. May be coordinated with education courses to include practice teaching. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i> |

Physics

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

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| 112 ENERGY AND THE ENVIRONMENT MR. DUDLEY | An analytical treatment of systems and their interactions, demonstrating the central role of energy conversion processes in the environment. Satisfies the laboratory science requirement. <i>Three credit hours.</i> |
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| 121, 122 GENERAL PHYSICS MR. METZ AND MR. BRIGGS | A quantitative introduction to the interpretation of theoretical and experimental problems in the fields of mechanics, thermodynamics, electricity and magnetism, relativity, and quantum physics. Physics 211 may serve as a prerequisite for Physics 122. Fall enrollment in Mathematics 121 or prior equivalent is recommended. Lecture and laboratory. <i>Four credit hours.</i> |
| 152 ESSENTIAL ELECTRONICS MR. BRIGGS | An introduction to modern electronics, including theory, experimentation, problem solving, and circuit design. The course starts by considering simple direct-current devices, and progresses to examining operational amplifiers, digital integrated circuits, and modern instrumentation. At each step, the significance of general concepts, such as regulation or feedback, is stressed. Self-paced. Lecture, discussion, and laboratory. Enrollment open to the limit of available equipment. <i>Four credit hours.</i> |
| 211 INTERMEDIATE MECHANICS MR. DUDLEY | Newtonian mechanics in theory and experiment: moving coordinate systems, momentum and energy, gravitation and Kepler's laws, forced and damped harmonic motion. Special emphasis is placed on the analysis of data obtained in the laboratory, including extensive use of the computer. Lecture and laboratory. <i>Prerequisite:</i> Physics 121 or permission of the department, and Mathematics 122 (may be taken concurrently). Open to freshmen with advanced standing in calculus who have had a strong preparation in physics. <i>Four credit hours.</i> |
| 232 ATOMIC AND NUCLEAR PHYSICS MR. METZ | An intermediate treatment of quantum physics, illustrated by topics in atomic, nuclear, and solid-state physics, and emphasizing the experimental evidence for modern theories of the structure of matter. Lecture and discussion. <i>Prerequisite:</i> Physics 122 and Mathematics 122. <i>Four credit hours.</i> |
| 251d INDEPENDENT ELECTRONICS MR. BRIGGS | An independent, self-paced course in electronics. May be taken as a sequel to Physics 151 for the further study of digital electronics and instrumentation. It is also intended for an advanced science student who desires to do the material of Physics 151 independently. Enrollment limited. <i>One to three credit hours.</i> |
| 311 ADVANCED MECHANICS MR. DUDLEY | Lagrangian and Hamiltonian dynamics, the dynamics of rigid bodies, and systems with many degrees of freedom. The techniques of linear algebra and of differential equations will be applied. Lecture and discussion. |

Prerequisite: Physics 211 and Mathematics 311 (may be taken concurrently). *Four credit hours.*

321, 322

ELECTRICITY AND MAGNETISM

MR. BRIGGS AND MR. METZ

First semester: a theoretical treatment of electrostatics and magnetostatics in vacuum and material media through Maxwell's equations. Second semester: electrodynamics, relativity, and applications. Lecture and discussion.

Prerequisite: For 321, Physics 122 and Mathematics 221 (may be taken concurrently); for 322, Mathematics 222 (may be taken concurrently). *Four credit hours.*

332

THERMODYNAMICS

MR. DUDLEY

Concepts of temperature, energy, entropy, heat, and work, and their thermodynamic relations as developed from a microscopic point of view. Single and multicomponent systems are discussed, using both classical and quantum statistics. Lecture and discussion.

Prerequisite: Physics 211, 232, and Mathematics 222 (may be taken concurrently). *Four credit hours.*

333

MODERN PHYSICS LABORATORY

MR. METZ AND MR. BRIGGS

Experiments in atomic and nuclear physics: fundamental physical constants, relativistic dynamics, radioactivity, diffraction, and atomic and nuclear spectroscopy. Self-paced.

Prerequisite: Physics 232 or permission of the instructor. *Two credit hours.*

431

PHYSICAL OPTICS

MR. BRIGGS

Radiation, interference, diffraction, coherence, Fourier optics, and wave propagation in media. Lecture and laboratory.

Prerequisite: Physics 321. *Four credit hours.*

441, 442

QUANTUM PHYSICS

MR. METZ

First semester: an introduction to the mathematical formulations of nonrelativistic quantum mechanics, including Schroedinger wave mechanics, operator algebra, perturbation techniques, and electron spin. Applications to one-dimensional and simple three-dimensional systems are developed. Second semester: a continuation of the first semester, with applications as interests dictate. Lecture.

Prerequisite: Physics 232 or permission of the department. *Three credit hours.*

452

SENIOR LABORATORY

STAFF

Projects in experimental physics.

Prerequisite: Permission of the department. *Two credit hours.*

491, 492
INDEPENDENT STUDY
STAFF

Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work.

Prerequisite: Permission of the instructor. *Two to five credit hours.*

Portuguese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

*121, 122
PORTUGUESE AS A SECOND
ROMANCE LANGUAGE
MS. DOEL

The spoken and written language of Portugal and Brazil, utilizing previous knowledge of a Romance language. Extensive use is made of taped materials.

Prerequisite: Successful completion of intermediate French or Spanish, or indication of equivalent proficiency by placement test. *Four credit hours.*

Psychology

111d
INTRODUCTION TO PSYCHOLOGY
STAFF

An overview of contemporary psychology, introducing concepts and methods current in the field. *Three credit hours.*

214d
RESEARCH METHODS
STAFF

Discussion of research activities in psychology, literature search, planning and execution of experiments, other techniques of data gathering. Basic statistical principles and the interpretation of research findings. Formerly included in Psychology 114 and 271.

Prerequisite: Psychology 111. *Three credit hours.*

231
CONDITIONING AND INSTRUMENTAL
LEARNING
STAFF

Principles of learning derived from Pavlovian and operant conditioning and their application to animal and human behavior. Lecture and laboratory.

Prerequisite: Psychology 111. *Four credit hours.*

232
COGNITIVE PSYCHOLOGY
MR. ROHRMAN

The human information processing system: how stimulus information is transformed, stored, retrieved, and used. Lecture and laboratory.

Prerequisite: Psychology 111. *Four credit hours.*

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| <p>236 COMPARATIVE PSYCHOLOGY STAFF</p> | <p>A comparative examination of animal behavior from a psychological viewpoint, with emphasis on similarities and differences between species. Topics will include genetic background, development of behavior, instinctive behavior, motivation, and learning. <i>Prerequisite:</i> Psychology 111. <i>Three credit hours.</i></p> |
| <p>251d PSYCHOLOGY OF PERSONALITY MR. LESTER AND MR. PEREZ</p> | <p>Major systematic interpretations in the psychology of personality. <i>Prerequisite:</i> Psychology 111. <i>Three credit hours.</i></p> |
| <p>252d DEVELOPMENTAL PSYCHOLOGY MR. ZOHNER</p> | <p>Principles of psychological development from conception through senescence examined from biological, sociocultural, and psychodynamic perspectives. <i>Prerequisite:</i> Psychology 111. <i>Three credit hours.</i></p> |
| <p>253 SOCIAL PSYCHOLOGY INSTRUCTOR</p> | <p>Representative topics in contemporary social psychology: methodological problems, the self, attitudes, social motivation, person perception, and group influence. Formerly listed as Psychology 291. <i>Prerequisite:</i> Psychology 111. <i>Three credit hours.</i></p> |
| <p>272 PHYSIOLOGICAL PSYCHOLOGY INSTRUCTOR</p> | <p>The study of neural processes underlying experience and behavior; the ways in which the nervous system codes perception, movement, hunger, sleep, attention, motivation, memory, and learning. Lecture and laboratory. <i>Prerequisite:</i> Psychology 214 and two semester courses in biology, or permission of the instructor. <i>Four credit hours.</i></p> |
| <p>273 SENSATION AND PERCEPTION MS. SKOWBO</p> | <p>The major human senses (vision, audition, somesthesia, taste, smell) studied as physiological systems and as intermediaries between the physical and perceived environments. <i>Prerequisite:</i> Psychology 214 or permission of the instructor. <i>Three credit hours.</i></p> |
| <p>274 PSYCHOLOGICAL TESTS AND MEASUREMENTS MR. LESTER</p> | <p>The theory and problems of psychological measurement, with special emphasis on the construction and application of psychological tests. Formerly listed as Psychology 234. <i>Prerequisite:</i> Psychology 214 or permission of the instructor. <i>Three credit hours.</i></p> |
| <p>*351 HUMANISTIC PSYCHOLOGY MS. SKOWBO AND MR. LESTER</p> | <p>The third force movement and its philosophical background. Includes an experiential component. <i>Prerequisite:</i> Psychology 251 and permission of the instructor. <i>Four credit hours.</i></p> |

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| 352 ABNORMAL PSYCHOLOGY MR. PEREZ AND MR. LESTER | A theoretical and clinical study of the dynamics and treatment of abnormal behavior. <i>Prerequisite:</i> Psychology 251. <i>Three credit hours.</i> |
| 371 ADVANCED EXPERIMENTAL PSYCHOLOGY STAFF | Experimental design and application of inferential statistics. Strongly recommended for those students interested in graduate school. <i>Prerequisite:</i> Psychology 272 or 273 or 274. <i>Three credit hours.</i> |
| 374 MOTIVATION STAFF | A theoretical and historical analysis of current research in motivation, focusing on such topics as drive, reinforcement, consummatory behavior, aggression, emotion, sleep, and imprinting. Formerly listed as Psychology 314. <i>Prerequisite:</i> Psychology 214. <i>Three credit hours.</i> |
| 432 PSYCHOLOGY OF LANGUAGE MR. ROHRMAN | Selected topics in psycholinguistics, language and thought, production and comprehension of sentences, the role of linguistic entities in psychological processes. Will normally include an independent research project. <i>Prerequisite:</i> Psychology 111 and permission of the instructor. <i>Three credit hours.</i> |
| 451 ADVANCED PERSONALITY AND ABNORMAL PSYCHOLOGY MR. LESTER AND MR. PEREZ | In-depth exploration of selected topics in personality and abnormal psychology. Will normally include an independent research project. <i>Prerequisite:</i> Psychology 352 and permission of the instructor. <i>Three credit hours.</i> |
| 452 ADVANCED DEVELOPMENTAL PSYCHOLOGY MR. ZOHNER | Selected topics in developmental psychology. Will normally include an independent research project. <i>Prerequisite:</i> Psychology 252 and permission of the instructor. <i>Three credit hours.</i> |
| *472 ADVANCED PHYSIOLOGICAL PSYCHOLOGY STAFF | Selected topics in physiological psychology. Will normally include an independent research project. <i>Prerequisite:</i> Psychology 272 and permission of the instructor. <i>Three credit hours.</i> |
| *473 VISUAL PSYCHOPHYSICS MS. SKOWBO | A detailed examination of the characteristics of the human visual system. Will normally include an independent research project. <i>Prerequisite:</i> Psychology 273 and permission of the instructor. <i>Three credit hours.</i> |

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| <p>479 HISTORY AND SYSTEMS OF PSYCHOLOGY MR. ROHRMAN</p> | <p>The historical background of modern psychology and the development of such systematic viewpoints as behaviorism, Gestalt psychology, and psychoanalysis. Formerly listed as Psychology 391. <i>Prerequisite:</i> Senior standing as a psychology major or permission of the instructor. <i>Three credit hours.</i></p> |
| <p>491, 492 INDEPENDENT STUDY STAFF</p> | <p>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the department. <i>One to four credit hours.</i></p> |
| <p>494 SENIOR SEMINAR STAFF</p> | <p>An integrative approach to selected problem areas in psychology. Students will be expected to prepare and deliver seminar papers on advanced topics. The score on the psychology advanced test of the graduate record examination will constitute a component of the course grade. <i>Prerequisite:</i> Senior standing as a psychology major. <i>Three credit hours.</i></p> |

Religion

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

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| <p>121, 122 INTRODUCTION TO WESTERN RELIGION MR. TODRANK</p> | <p>The Judaeo-Christian tradition in historical perspective: basic beliefs, institutions, and movements characteristic of successive epochs, and their influence on western culture. <i>Three credit hours.</i></p> |
| <p>*217 RELIGION IN AMERICA MR. LONGSTAFF</p> | <p>The beliefs and practices of Protestantism, Catholicism, and Judaism as examined against the background of a historical survey of religion in American life, leading to an exploration of selected issues of current interest in American religion. <i>Three or four credit hours.</i></p> |
| <p>†[218] THE SCIENTIFIC STUDY OF RELIGION</p> | <p>Methodologies and classical studies in the disciplines of anthropology, sociology, psychology, history of religions, economics, art history, and theology. <i>Three credit hours.</i></p> |
| <p>223, 224 BIBLICAL LITERATURE MR. LONGSTAFF</p> | <p>Biblical literature in terms of its historical and cultural context, its original meaning, and its relevance to the contemporary world. The first semester deals with the Old Testament; the second, with the Apocrypha and the New Testament. <i>Three or four credit hours.</i></p> |

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| †[277, 278] RELIGIOUS PERSPECTIVES | Interdisciplinary considerations of various topics, involving lecturers from several departments. <i>Three credit hours.</i> |
| 281, 282 CULTURAL EUTHENICS: A NEW ADAM AND A NEW EDEN MR. TODRANK | First semester: the relationship between the life-style of modern man and the current environmental crisis, and the resulting urgent need for a new "Adam" and a new "Eden." Second semester: an analysis of some of the economic, political, ethical, and religious aspects of essential reforms to achieve a new era for a new earth. Faculty members from other departments will participate in panel discussions of the basic issues. <i>Three or four credit hours.</i> |
| 311 INDIAN RELIGIONS AND ISLAM MR. THORWALDSEN | A survey of the religious traditions of India and Islam. <i>Three credit hours.</i> |
| 312 EAST ASIAN RELIGIONS MR. THORWALDSEN | A survey of Buddhism, Taoism, and Confucianism, with emphasis on Jodo and Zen traditions. <i>Prerequisite:</i> Religion 311 or a course in East Asian history or culture. <i>Three credit hours.</i> |
| *316 CONTEMPORARY WESTERN THEOLOGY MR. THORWALDSEN | A survey of modern methods and styles in theological discourse, including examples of the use of poetry, drama, art, and music. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i> |
| [319] PRIMITIVE RELIGION | Archaic and primitive religious life. The religion of aborigines, Polynesians, African and Latin-American tribes, and North American Indians. <i>Prerequisite:</i> One course in philosophy or religion. <i>Three credit hours.</i> |
| *351 THE BOOK OF JOB MR. LONGSTAFF | The main themes of the narrative and the speeches will be explored with reference to the genre, the original context, and the relevance of the book to contemporary events and problems. <i>Prerequisite:</i> Religion 121 or 223. <i>Three credit hours.</i> |
| †[352] THE THEOLOGY OF PAUL | Paul's letters, and the controversies that prompted them, will be studied as a basis for understanding Pauline theology, its relation to other elements of first-century Christianity, and its influence on later western thought. <i>Prerequisite:</i> Religion 224. <i>Three credit hours.</i> |

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| †[353] THE GREAT PROPHETS OF ISRAEL <hr/> *358 JESUS OF NAZARETH MR. LONGSTAFF | An intensive study of several of the Old Testament prophets, their lives, and messages. The course will consider each prophet's impact on his own times, and will raise the question of the importance of prophecy in ancient and modern times. <i>Prerequisite: Religion 223. Three credit hours.</i> |
| <hr/> *372 PHILOSOPHY OF RELIGION MR. PARKER | Listed as Philosophy 372 (q.v.). <i>Three credit hours.</i> |
| <hr/> *373 HISTORY OF MEDIEVAL PHILOSOPHY MR. THORWALDSEN | Listed as Philosophy 373 (q.v.). <i>Three or four credit hours.</i> |
| <hr/> †[391], 392 RELIGION SEMINAR MR. LONGSTAFF | Seminars in selected areas of religion. The topic for 1978-79 will be announced in the fall. Open to majors and nonmajors. <i>Prerequisite: Permission of the instructor. Three credit hours.</i> |
| <hr/> 491, 492 INDEPENDENT STUDY STAFF | Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite: Permission of the instructor. One to four credit hours.</i> |

Russian

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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| 121, 122 ELEMENTARY RUSSIAN INSTRUCTOR | Introduction to the language by a modified audio-lingual method, with emphasis on understanding spoken Russian and on reading. Use of taped materials in the language laboratory is a regular part of the class work. <i>Four credit hours.</i> |
| <hr/> 123, 124 INTERMEDIATE RUSSIAN INSTRUCTOR | Continued study of grammar, with emphasis on understanding spoken Russian and on reading, through the study of short stories and plays. Use of taped materials in the language laboratory continues as an integral part of the course. |

Prerequisite: Russian 122 or two years of high school Russian and appropriate score on the placement test. *Four credit hours.*

225, 226

ADVANCED RUSSIAN
INSTRUCTOR

Continued work on the language, intensive study of selected works of Russian literature.

Prerequisite: Russian 124 or permission of the instructor. *Three or four credit hours.*

491, 492

INDEPENDENT STUDY
INSTRUCTOR

Individual readings in areas of the student's major interest.

Prerequisite: Permission of the instructor. *Two to four credit hours.*

Selected Topics

-97, -98

STUDY OF SELECTED TOPICS

Each department and interdisciplinary major may from time to time offer special courses not otherwise included in its regular course listing. When such a course is offered, it will be listed under the appropriate subject heading. The first digit of its number will depend on the level at which it is offered. Titles, descriptions, prerequisites, and number and type of credits will be determined by the department or interdisciplinary major offering the course, and will be available at registration.

Sociology

112

INTERACTION PROCESS ANALYSIS
MR. ROSENTHAL

Theories and methods of understanding interpersonal behavior as it occurs in small groups. An attempt to synthesize concepts, theory, and observation of the group. Enrollment limited.

Prerequisite: Freshman standing, no previous sociology, and permission of the instructor. *Three credit hours.*

121e, 122

PRINCIPLES OF SOCIOLOGY
STAFF

Human society: its growth, institutions, activities, and problems. The course attempts to synthesize the available knowledge and concepts necessary for a scientific understanding of our complex modern society. *Three credit hours.*

211, 212

SHORT COURSES IN SOCIOLOGY
MR. GEIB

During each semester three different short courses will be offered. A student may take any one or all; however, registration is required for each short course taken. Each course will run approximately four weeks. By department rule, dropping or adding any short course

must be done *prior to* the second meeting of the class. Short courses for fall 1978 are: (A) "The 1920's: Dim Echoes of the Roaring Twenties"; (B) "The 1930's: The Depression, A Time for Remembrance"; (C) "The 1940's: Out of the Gloom, Into the Doom." Short courses for spring 1979 are: (A) "The Early Years: America from 1905 through World War I"; (B) "The 1950's: The Placid Decade; the Plastic Age"; (C) "The 1960's: The Decade of Dissent; Conflict and Confrontation." Further descriptions and details are available from the department.

Prerequisite: Sociology 121, 122 and permission of the instructor.
One credit hour per short course.

231
CONTEMPORARY SOCIAL ISSUES
MR. DOEL

Analysis of selected controversial issues in contemporary society. Attention given to areas such as alienation, economic and political freedom, poverty, and social inequality.

Prerequisite: Sociology 121, 122 or permission of the instructor.
Three credit hours.

232
HUMAN ECOLOGY
MR. DOEL

The spatial distribution of people and institutions from the pre-historic to the present time. Consideration will be given to the relationship between human society and the ecosystem concept: theory of demographic transition; world population growth in terms of fertility, migration, and mortality; individual and institutional competition in space; and environmental carrying capacity.

Prerequisite: Sociology 122 or permission of the instructor. *Three credit hours.*

*233
CRIMINOLOGY
MR. GEIB

Crime in social and cultural perspective, conditions and situations that encourage antisocial conduct, the philosophy and practice of punishment, and programs for reducing or eliminating crime.

Prerequisite: Sociology 121, 122. *Three credit hours.*

237
THE SOCIOLOGY OF CHILD
DEVELOPMENT
MR. ROSENTHAL

The family as transmitter of the culture, relationships between social forces acting upon the family and the socialization process, and relationships between family characteristics, transmission, and socialization.

Prerequisite: Sociology 121, 122. *Three credit hours.*

252
RACE AND MINORITIES
MR. BIRGE

Major problems of race and minority groups, focusing on contemporary United States.

Prerequisite: Sociology 121, 122. *Three credit hours.*

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| †[271] INTRODUCTION TO SOCIOLOGICAL RESEARCH METHODS | Introduction to the variety of basic research methods employed by sociologists. Major topics include the reciprocal relation between theory and research, research design, sampling, and techniques for data collection and analysis. <i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i> |
| 273 THE FAMILY MR. ROSENTHAL | A historical and comparative study of family and marriage from an institutional point of view, including the relationship of the family to other aspects of culture. <i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i> |
| †[274] SOCIAL STRATIFICATION | Social classes of North America, as portrayed through the literature of community studies. Emphasis will center on the culture of the middle class. <i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i> |
| 311 HISTORY OF SOCIOLOGICAL THEORY MR. MORRIONE | The history of sociology, and a critical examination of the systems of thought about society and social action. The place of theory in social research is emphasized. <i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i> |
| 313 HISTORY OF SOCIAL THOUGHT MR. DOEL | Survey of man's ideas about human nature and the social order, centered on social thinkers prior to the development of sociology. Selected social thoughts of civilized man prior to Comte. <i>Prerequisite:</i> Sociology 121, 122 or permission of the instructor. <i>Three credit hours.</i> |
| 314 SOCIOLOGY OF RELIGION MR. DOEL | The relationship between religion and society. Major world religions and those of primitive peoples, analyzed in terms of origin, development, and function within social systems. Modes of human adjustment to the natural world in folklore and myth. <i>Prerequisite:</i> Sociology 121, 122 or permission of the instructor. <i>Three credit hours.</i> |
| †[316] SPECIAL TOPICS IN SOCIOLOGY | Topics in selected areas of sociology. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i> |
| 318 CONTEMPORARY THEORY MR. MORRIONE | An analysis of the contemporary state of sociology as a discipline, with focus on problems of theory building, utilization of data collection methods, reformulation of the scope and subject matter of the field, and development of converging and diverging points among current schools of thought. <i>Prerequisite:</i> Sociology 121, 122 and permission of the instructor. <i>Three credit hours.</i> |

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- *334**
SOCIAL DEVIANCE
MR. MORRIONE
- Definitions of deviance and theories of explanation and analysis of deviant behavior. Readings and discussions will emphasize the history and development of contemporary perspectives and attempts to synthesize them.
- Prerequisite:* Sociology 121, 122 and permission of the instructor.
Three credit hours.
-
- †[338]
NORMATIVE SOCIAL THEORY
- Normative social theory, with special emphasis upon such works as Plato's *Republic*, Owen's *A New View of Society*, and Bellamy's *Looking Backward*.
- Prerequisite:* Sociology 121, 122. *Three credit hours.*
-
- *353**
URBAN SOCIOLOGY
MR. BIRGE
- An eclectic study of the city as a sociological phenomenon: the historical and ecological development of the city, population and selective migration, group life and personality, and organization and disorganization of urban areas.
- Prerequisite:* Sociology 121, 122. *Three credit hours.*
-
- [354]
COMPARATIVE SOCIAL SYSTEMS
- Contemporary societies as they relate to ideal-typical models of western technological development. Analysis of social processes effected by the transition from traditionalism to industrialism in newly developing nations.
- Prerequisite:* Sociology 121, 122. *Three credit hours.*
-
- †[361, 362]
CULTURAL ANTHROPOLOGY
- Introductory anthropology, with special emphasis on the implications of the social and cultural experiences of primitive people for modern society.
- Prerequisite:* Sociology 121, 122. *Three credit hours.*
-
- †[372]
PRACTICUM IN SOCIOLOGICAL RESEARCH
- Each student will develop and pursue a sociological research project of limited scope. Although survey research is the design most frequently chosen, alternate modes appropriate to the problem defined and data derived may be developed (e.g., field studies, field experiments, laboratory experiments, participant observation, content analysis).
- Prerequisite:* Sociology 271 and permission of the instructor.
Three or four credit hours.
-
- *391**
SOCIAL CHANGE
MR. MORRIONE
- Although a historical approach is used at times, this course is primarily theoretical. The mechanisms, functions, and consequences of social change. Particular attention is given to the relevance of social change for the social order.
- Prerequisite:* Sociology 121, 122. *Three credit hours.*

[393]

COMPLEX SOCIAL ORGANIZATIONS

Utilizing a historical perspective and sociological orientation, this course will examine the existing and empirical data and theoretical concepts dealing with the behavior of people in business and other organizations.

Prerequisite: Sociology 121, 122. *Three credit hours.*

Note: This course may be offered cooperatively with Administrative Science 413. A student may not receive credit for both Sociology 393 and Administrative Science 413.

*394

COLLECTIVE BEHAVIOR

MR. GEIB

A course that seeks to shed light on the plight of contemporary man through the examination of the various instances of collective behavior—crowds, masses, publics, and social movements—and the forces that mold each. Consideration is given also to public opinion, propaganda, communication and the major mass media, and their functions in modern society.

Prerequisite: Sociology 121, 122 or permission of the instructor. *Three credit hours.*

401, 402

SOCIOLOGY SEMINAR

MR. BIRGE

Major problems of sociology as a science. Much of the work is devoted to individual projects developed from group discussions.

Prerequisite: Senior standing and permission of the instructor. *Three credit hours.*

491, 492

INDEPENDENT STUDY

STAFF

Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work.

Prerequisite: Senior standing and permission of the department. *Two to four credit hours.*

INTERDEPARTMENTAL COURSE

Psychology 291d, Social Psychology, is also applicable toward fulfillment of the major in sociology (see psychology listings for description of this course). If so applied, it cannot also be counted among the required collateral courses. *Three credit hours.*

Spanish

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

Unless otherwise specified, all courses numbered above 128 are conducted in Spanish. Spanish 142 or permission of the instructor is required for all courses numbered 200 or higher.

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| 121, 122 ELEMENTARY SPANISH STAFF | Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work. <i>Four credit hours.</i> |
| 123, 124 INTERMEDIATE SPANISH STAFF | Continued practice in the oral-aural skills, with increasing emphasis on reading and writing through use of reading from Spanish and Latin-American literature. Studies and grammar review supplemented with drill work in the laboratory. <i>Prerequisite:</i> Spanish 122 or two years of high school Spanish and appropriate score on the placement test. Permission of the department required to take 124 without 123. <i>Three credit hours.</i> |
| 127, 128 INTENSIVE INTERMEDIATE SPANISH STAFF | An expanded intermediate course similar in format to Spanish 123, 124 for those students desiring additional exposure to the language. Recommended for those planning to continue in Spanish. Spanish 127 alone will not satisfy the language requirement. <i>Prerequisite:</i> Spanish 121, 122 with a grade of <i>A</i> or <i>B</i> , or equivalent. <i>Four credit hours.</i> |
| 131 CONVERSATION AND COMPOSITION STAFF | Language review with emphasis on oral expression, written composition, and vocabulary development. <i>Prerequisite:</i> Spanish 124 or appropriate CEEB score. <i>Three credit hours.</i> |
| 141, 142 INTRODUCCIÓN AL MUNDO HISPÁNICO STAFF | The Hispanic tradition reflected in the works of major figures of Spain and Latin America. In-depth study of selected works with collateral readings. <i>Prerequisite:</i> Spanish 124. <i>Three credit hours.</i> |
| 232 ADVANCED SPANISH STAFF | A review of Spanish grammar at the advanced level, with directed themes and free composition. <i>Prerequisite:</i> Spanish 131, 141, or appropriate CEEB score. <i>Four credit hours.</i> |
| *255 NINETEENTH-CENTURY SPANISH LITERATURE INSTRUCTOR | Representative works of romanticism and realism. <i>Three credit hours.</i> |
| †[256] THE GENERATION OF 1898 | The principal figures of this generation: Unamuno, Azorín, Baroja, Valle-Inclán, and Machado. Formerly listed as Spanish 356. <i>Four credit hours.</i> |

| | |
|---|---|
| <p>*257d2 MODERN SPANISH LITERATURE MR. CAUZ</p> | <p>The literature of twentieth-century Spain through Federico García Lorca. Formerly listed as Spanish 357. <i>Four credit hours.</i></p> |
| <p>†[258] THE CONTEMPORARY SPANISH NOVEL</p> | <p>The Spanish novel after the Spanish Civil War. Formerly listed as Spanish 358. <i>Four credit hours.</i></p> |
| <p>261, 262 LATIN-AMERICAN LITERATURE MR. HOLLAND</p> | <p>First semester: Latin-American literature from the colonial period through the nineteenth century. Second semester: literature from the Modernistas through Rómulo Gallegos. <i>Three or four credit hours.</i></p> |
| <p>†[332] CONTEMPORARY LATIN-AMERICAN LITERATURE</p> | <p>Authors to be studied will include Carlos Fuentes, García Márquez, and Vargas Llosa. <i>Four credit hours.</i></p> |
| <p>*337 MIEVEAL SPANISH LITERATURE MS. DOEL</p> | <p>Medieval Spanish classics: <i>El Cid</i>, <i>El libro de buen amor</i>, <i>La Celestina</i>, and <i>El romancero</i>. <i>Three or four credit hours.</i></p> |
| <p>†[351] EL SIGLO DE ORO</p> | <p>The Spanish classical theater, the picaresque novel, and selected works of Cervantes. <i>Four credit hours.</i></p> |
| <p>352 DON QUIJOTE MS. DOEL</p> | <p>Study and analysis of <i>Don Quijote de la Mancha</i>. <i>Four credit hours.</i></p> |
| <p>491, 492 INDEPENDENT STUDY STAFF</p> | <p>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>Two to four credit hours.</i></p> |
| <p>[493, 494] SEMINAR IN SPANISH AND LATIN- AMERICAN LITERATURE</p> | <p>Topics, which change each semester, may cover an author, a genre, or a literary movement. <i>Prerequisite:</i> Permission of the instructor. <i>Three or four credit hours.</i></p> |
| <p>499d LANGUAGE TEACHING STAFF</p> | <p>Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in Modern Foreign Languages 411. Nongraded. <i>Prerequisite:</i> Permission of both instructors. Flexible credit. <i>One or two credit hours.</i></p> |

Student-Taught Courses

-99d
STUDENT-TAUGHT COURSES

Student-organized and student-taught courses are offered from time to time in various departments and programs. Any such course must have a faculty sponsor and be approved by the educational policy committee. No student may register for more than three credits in such courses in any one semester unless he or she has completed or is concurrently completing the 105-basic-hour requirement. Nongraded. Flexible credit. *One to three credit hours.*

Western Civilization

491, 492
INDEPENDENT STUDY
STAFF

Individual study of special problems in western civilization in areas where the student has demonstrated the interest and competence necessary for independent work.

Prerequisite: Permission of the instructor and the program director. *One to three credit hours.*

493, 494
SEMINAR IN WESTERN CIVILIZATION
STAFF

Interdisciplinary seminars conducted by at least two members of the western civilization advising faculty, leading to the composition of a major essay. Required of all senior majors in western civilization. *Three credit hours.*

WESTERN CIVILIZATION MAJOR

Attention is called to the major in studies in western civilization, incorporating courses from several departments. Courses approved for this major are listed in the section on Interdisciplinary Studies (q.v.).

Career Planning

Colby College is committed to a comprehensive program that encourages and assists students in career preparation and decision making. Working in partnership with the staff, students assess career interests and abilities, examine and identify occupations in accordance with defined values, and develop techniques for a search. Colby does not offer a job placement service but rather strives to endow students with knowledge and skills that will result in satisfactory employment.

Career counselors are available to discuss concerns, and a large network of alumni has expressed willingness to talk with Colby graduates about opportunities. The career planning library offers occupational literature, gathered each year from corporations, agencies, professional associations, and the Department of Labor.

National recruitment and salary data are available, along with state and federal hiring information, armed service brochures, social service and teaching publications, graduate catalogues, and manuals for developing job search skills.

Additionally, Colby makes extensive use of the System of Interactive Guidance and Information (SIGI), a computer-based response system created by Educational Testing Service, Princeton, N.J., designed to help students make career decisions. SIGI assists in narrowing values, locating suitable occupations to match them, comparing data between occupations, and planning a strategy for employment. Colby is one of 15 colleges currently providing this resource.

The office makes available applications and testing information for the Graduate Record Examination, Professional and Administrative Career Examination, National Teacher's Examination, Law School Aptitude Test, Miller's Analogy Test, and others. Reference files may be established in the senior year for the collection and distribution of letters of recommendation. Colby is a member of the College Placement Council and complies with the Family Educational Rights and Privacy Act of 1974 to insure that students have the right of access to and review of their references.

The staff organizes vocational interest seminars designed to relate information about employment experiences, training requirements, hiring outlook, and rewards in given professions. Colby also conducts workshops in interviewing and résumé-writing skills.

Each fall, representatives from graduate schools visit to talk with prospective applicants. Interviewers from industry visit in the spring to speak with candidates who are seeking positions. Over 30 companies and agencies sent individuals for this purpose in 1977.

ARTS AND SCIENCES

Every year, Colby graduates enter many different graduate schools to work toward advanced degrees in art, music, history, classics, English, economics, modern languages, sociology, psychology, philosophy, or the natural sciences. Interested students should confer with the chairmen of their departments and their major advisers.

BUSINESS

Graduate programs in administrative science at such institutions as Harvard, Chicago, Cornell, the Wharton School of the University of Pennsylvania, and the Amos Tuck School at Dartmouth continue to attract many Colby graduates. Early in their college careers, interested students should seek counsel from members of the department of administrative science. Seniors are urged to take the graduate management admission test.

ENGINEERING

Colby College and the University of Rochester are affiliated in a joint program whereby a student may acquire an education in the liberal arts and also in engineering in a five-year period, with three years spent at Colby and two at Rochester. On successful completion of the program, the student may be awarded a Bachelor of Arts degree from Colby and a Bachelor of Science in Engineering degree from Rochester.

While at Colby, the engineering student must attain mastery of the necessary mathematics and science to support him in the intensive study of engineering that will follow. In his Colby program, however, he is assured a broad grounding in the humanities and social sciences as well.

Students graduating in this program are exempt from Colby's usual requirement of residence during the senior year, but all other graduation requirements must be met.

A member of the physics department serves as adviser to students intending to enter the joint program. He should be consulted early in a student's Colby career to plan for meeting Rochester's requirements.

Another option for the student who wants ultimately to be an engineer but also wants a liberal arts college education is a regular physics or chemistry major at Colby, followed by engineering studies in a graduate school. Members of those departments are prepared to advise students who make this choice.

LAW AND GOVERNMENT SERVICE

The committee on professional preparation for law and government service advises students preparing for careers in these areas. The prelaw student may major in almost any field, but the student who

has a specific goal in mind will profit from early consultation with members of the committee. The law-school admission test is given at the college each year.

MEDICINE AND DENTISTRY

Medical schools do not require a particular major but do require high standing and the inclusion of biology, chemistry, physics, mathematics, English, and foreign languages in the student's college program. It is strongly advised that mathematics be pursued at least through the first year of calculus. Organic and general chemistry are required.

The medical-college admission test is ordinarily taken in the spring of the student's junior year.

Although some dental schools admit applicants after three years, and sometimes after only two years, of college work, the leading schools prefer students with a college degree. Each applicant, regardless of his major, must meet the specific requirements in biology, chemistry, physics, and English, which vary with different dental schools.

The dental-college admission test is ordinarily taken in the spring of the junior or fall of the senior year.

Each interested student should consult a member of the committee on professional preparation for medicine and dentistry early in his freshman year.

TEACHING

Students contemplating teaching in secondary schools are offered a minimal program that meets certification requirements. For those interested in teaching at the elementary school level and in special education, foundation courses are available that prepare for graduate school where they may complete certification requirements.

Career guidance and counseling are available from the director in the office of education.

THEOLOGY

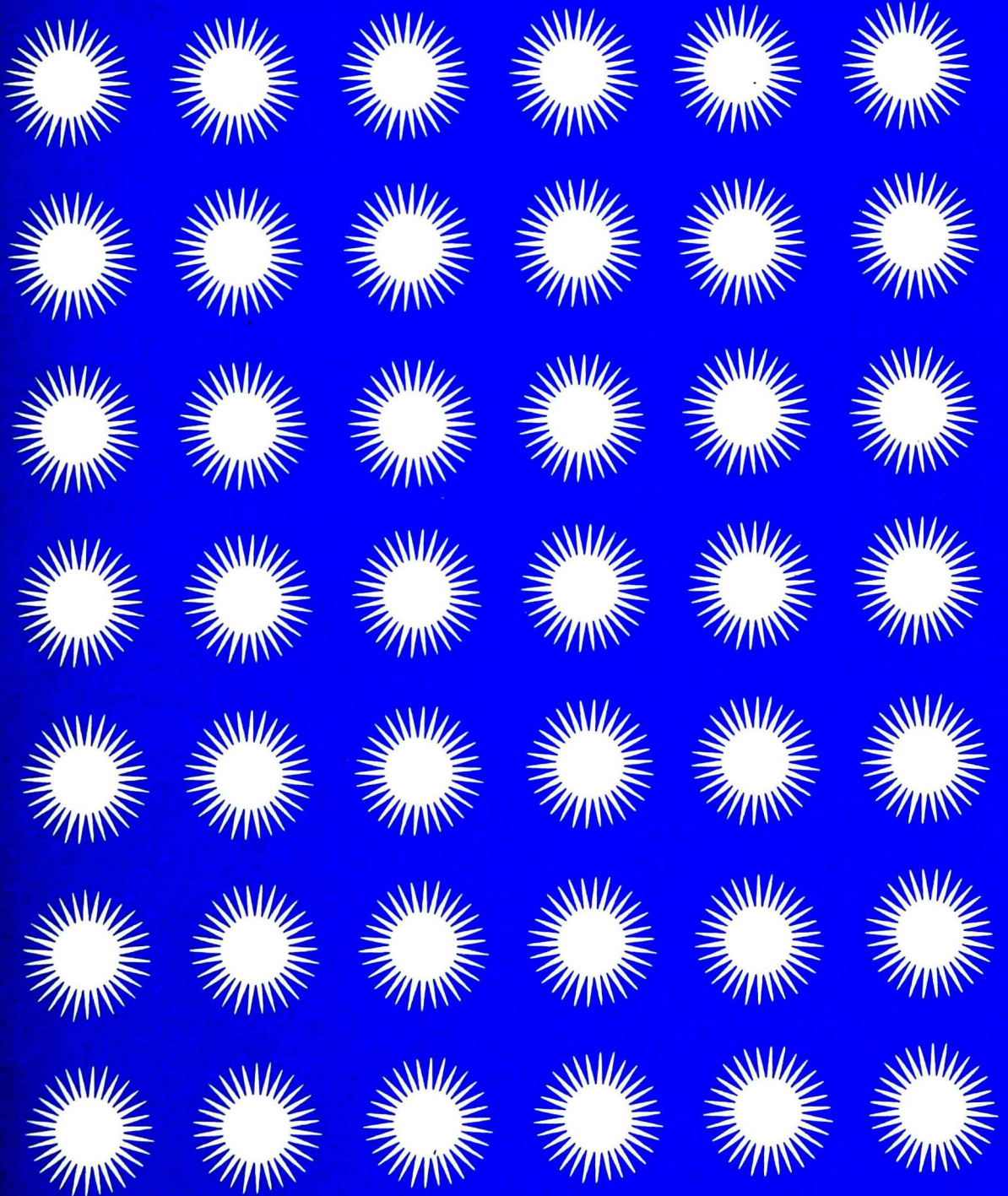
Colby has a long tradition of preparing graduates for the ministry. There are representatives of Colby alumni among the clergy of many denominations, and over the years a considerable number have done missionary work.

The theological preparation committee, in cooperation with the college chaplain, serves as adviser to students who plan to enter seminaries.

Students preparing for the ministry are assisted in attending seminary conferences by grants from the Clarence R. Johnson Conference Fund.

III

Directories and Appendices



III DIRECTORIES AND APPENDICES

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| | |
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Associate Professor of Administrative Science, Emeritus; Treasurer, Emeritus

GORDON WINSLOW SMITH, M.A.

Professor of Modern Languages, Emeritus

NORMAN SWASEY SMITH, M.ED.

Associate Professor of Education, Emeritus

EVERETT FISK STRONG, B.A., M.A.

Professor of Modern Languages, Emeritus

RALPH SAMUEL WILLIAMS, M.B.A., L.H.D.

*Wadsworth Professor of Administrative Science, Emeritus;
Administrative Vice-President, Emeritus*

¹Died November 14, 1974.

²Died March 27, 1977.

ACTIVE FACULTY

The active faculty is arranged alphabetically in rank. In parentheses are listed colleges and universities from which earned degrees have been received.

PROFESSORS DOUGLAS NELSON ARCHIBALD, PH.D. (Dartmouth, Michigan)

Professor of English

JAMES FOSTER ARMSTRONG, PH.D.³ (Harvard)

Professor of Music

ROBERT MARK BENBOW, PH.D. (University of Washington, Yale)

Roberts Professor of English Literature

MIRIAM FRANCES BENNETT, PH.D. (Carleton, Mount Holyoke,
Northwestern)

Dana Professor of Biology

- KINGSLEY HARLOW BIRGE, PH.D. (Dartmouth, Yale)
Professor of Sociology
- MARJORIE DUFFY BITHER, M.A.³ (Simmons, Columbia)
Professor of Physical Education
- JEAN D. BUNDY, PH.D. (Washington State, Wisconsin)
Dana Professor of French Literature
- JAMES MORTON CARPENTER, PH.D. (Harvard)
Jetté Professor of Art
- FRANCISCO ANTONIO CAUZ, PH.D.³ (Villanova, Middlebury, Rutgers)
Professor of Modern Languages (Spanish)
- WILFRED JAMES COMBELLACK, PH.D. (Colby, Boston University)
Professor of Mathematics
- EILEEN MARY CURRAN, PH.D. (Cornell, Cambridge, Cornell)
Professor of English
- FREDERICK ARTHUR GEIB, PH.D.² (New Hampshire, Brown, Syracuse)
Professor of Sociology
- HENRY ALBERT GEMERY, PH.D. (Southern Connecticut, Harvard, Pennsylvania)
Professor of Economics
- JAMES MACKINNON GILLESPIE, PH.D. (Harvard)
Professor of Psychology; Associate Dean of Students
- KEMP FREDERICK GILLUM, PH.D. (Illinois, Wisconsin)
Professor of History
- JAN STAFFORD HOGENDORN, PH.D. (Wesleyan, London School of Economics)
The Grossman Professor of Economics
- HENRY HOLLAND, PH.D. (Maine, Harvard, Madrid)
Professor of Modern Languages (Spanish)
- YEAGER HUDSON, PH.D. (Millsaps, Boston University)
Professor of Philosophy
- HAROLD ALVIN JACOBSON, PH.D. (Bowling Green, Harvard)
Professor of Education
- PAUL GERHARD JENSON, PH.D. (Luther, Minnesota)
Professor of Psychology; Vice-President for Academic Affairs and Dean of Faculty
- ERNEST PARKER JOHNSON, PH.D. (Springfield, Brown)
Dana Professor of Psychology
- DONALDSON KOONS, PH.D., SC.D.² (Columbia)
Dana Professor of Geology

- PAUL EWERS MACHEMER, PH.D. (Princeton, Pennsylvania)
Professor of Chemistry
- COLIN EDWARD MACKAY, PH.D. (Brown)
Professor of English
- ALBERT ANTHONY MAVRINAC, PH.D. (Pittsburgh, Harvard)
Professor of Government
- WILLIAM BLACKALL MILLER, PH.D. (Harvard, Columbia)
Professor of Art
- VISHWANATH SHRIDHAR NARAVANE, PH.D.⁵ (Allahabad)
Visiting Professor of Philosophy
- FRANCIS HOWARD PARKER, PH.D.³ (Evansville, Indiana, Harvard)
Dana Professor of Philosophy
- PAUL POWERS PEREZ, PH.D. (U.S. Coast Guard Academy, New York University)
Professor of Psychology; Clinical Psychologist
- ROBERT WHITE PULLEN, PH.D. (Colby, Massachusetts Institute of Technology)
Professor of Economics; Administrative Vice-President
- HAROLD BRADFORD RAYMOND, PH.D. (Black Mountain, Harvard)
Professor of History
- PETER JOSEPH RÉ, M.A. (Yale, Columbia)
Professor of Music
- EVANS BURTON REID, PH.D. (McGill)
Merrill Professor of Chemistry
- ROBERT EVERETT REUMAN, PH.D. (Middlebury, Pennsylvania)
Professor of Philosophy
- NICHOLAS LEROY ROHRMAN, PH.D. (Butler, Miami [Ohio], Indiana)
Professor of Psychology
- HENRY OTTO SCHMIDT, PH.D. (Ursinus, Pennsylvania, Boston University)
Professor of Modern Languages (German)
- ROBERT EDWARD LEE STRIDER II, PH.D. (Harvard)
Professor of English; President
- IRVING DAVID SUSS, PH.D.³ (North Carolina, Columbia)
Professor of English
- JOHN HALE SUTHERLAND, PH.D. (Swarthmore, Pennsylvania)
Professor of English; Editor of Colby Library Quarterly
- ROBERT LEE TERRY, PH.D. (Earlham, Pennsylvania)
Professor of Biology

MAYNARD THOMPSON, PH.D.⁴ (DePauw, Wisconsin)

Visiting Avalon Professor of Mathematics

GUSTAVE HERMAN TODRANK, PH.D. (DePauw, Boston University)

Professor of Philosophy and Religion

GUENTER WEISSBERG, J.D., PH.D. (New York University, Columbia Law, Columbia)

Professor of Government

LUCILLE PINETTE ZUKOWSKI, M.A. (Colby, Syracuse)

Professor of Mathematics

WALTER HENRY ZUKOWSKI, PH.D. (Clark)

Wadsworth Professor of Administrative Science

ASSOCIATE PROFESSORS DONALD BRUCE ALLEN, PH.D. (Fresno State, Illinois)

Associate Professor of Geology

CHARLES WALKER BASSETT, PH.D. (South Dakota, Kansas)

Associate Professor of English

CLIFFORD JOSEPH BERSCHNEIDER, M.A. (Duquesne, Pittsburgh)

Associate Professor of History

PATRICK BRANCACCIO, PH.D.³ (Brooklyn College, Ohio State, Rutgers)

Associate Professor of English

DAVID GORDON BRIDGMAN, PH.D. (Yale, Wisconsin, Harvard)

Associate Professor of History

HARRY ROWLAND CARROLL, M.A. (New Hampshire)

Associate Professor; Dean of Admissions

GEORGE LEIDIGH COLEMAN II, M.A. (Cornell, Kansas)

Associate Professor; Registrar

JOHN MINOT DUDLEY, PH.D.¹ (Massachusetts Institute of Technology, California at Berkeley)

Associate Professor of Physics

THOMAS WILLIAM EASTON, PH.D. (Maine, Brown)

Associate Professor of Biology

CHARLES ANTHONY FERGUSON, PH.D. (Oberlin, Ohio State)

Associate Professor of Modern Languages (French)

GUY THEOPHILE FILOSOFF, PH.D. (Rollins, Middlebury, Rochester)

Associate Professor of Modern Languages (French)

BRUCE EDWARD FOWLES, PH.D. (Brown, California at Berkeley)

Associate Professor of Biology

ADEL VERNA HEINRICH, A.MUS.D. (Flora Stone Mather, Union Theological, Wisconsin)

Associate Professor of Music

- JOHN KEMPERS, PH.D.¹⁰ (Hastings, Nebraska, Syracuse)
Associate Professor of Modern Languages (Russian)
- EDWIN JAMES KENNEY, JR., PH.D. (Hamilton, Cornell)
Associate Professor of English
- YVONNE RICHMOND KNIGHT, M.B.A. (Colby, Cornell)
Associate Professor of Administrative Science
- DOROTHY MARIE KOONCE, PH.D.³ (Cornell, Pennsylvania)
Associate Professor of Classics
- HOWARD LEE KOONCE, PH.D.³ (Dartmouth, Pennsylvania)
Associate Professor of English
- HUBERT CHRISTIAN KUETER, PH.D. (Valparaiso, Michigan)
Associate Professor of Modern Languages (German)
- ALVIN VINCENT LABAT, PH.D. (Wisconsin, Columbia)
Associate Professor of Modern Languages (French)
- GEORGE DOUGLAS MAIER, PH.D. (Cornell College, Iowa State)
Associate Professor of Chemistry
- HARRIETT MATTHEWS, M.F.A. (Sullins Junior, Georgia)
Associate Professor of Art
- ROBERT PAUL MCARTHUR, PH.D. (Villanova, Temple)
Associate Professor of Philosophy
- JAMES WILLIAM MEEHAN, JR., PH.D. (Saint Vincent, Boston College)
Associate Professor of Economics
- JOHN MIZNER, PH.D. (Antioch, Pennsylvania)
Associate Professor of English
- HAROLD RICHARD PESTANA, PH.D. (California, Iowa)
Associate Professor of Geology
- JONAS OETTINGER ROSENTHAL, M.A. (Swarthmore, North Carolina)
Associate Professor of Sociology
- DONALD BRIDGHAM SMALL, PH.D. (Middlebury, Kansas, Connecticut)
Associate Professor of Mathematics
- WAYNE LEE SMITH, PH.D. (Hartwick, Pennsylvania State)
Associate Professor of Chemistry
- JOHN ROBERT SWENEY, PH.D. (Colorado College, Claremont,
Wisconsin)
Associate Professor of English
- THOMAS HARRY TIETENBERG, PH.D. (U.S.A.F. Academy, University of
the East in the Philippines, Wisconsin)
Associate Professor of Economics

PETER WESTERVELT, PH.D. (Harvard)

Associate Professor of Classics

FLOYD CELAND WITHAM, M.A. (Colby, Stanford)

Associate Professor of Speech in the Department of English

GLENN DORIN ZOHNER, PH.D. (Brigham Young, Massachusetts)

Associate Professor of Psychology

ASSISTANT PROFESSORS JONATHAN BRIGGS, PH.D. (Dartmouth, Harvard)

Assistant Professor of Physics

ARTHUR KINGSLEY CHAMPLIN, PH.D. (Williams, Rochester)

Assistant Professor of Biology

DON CHODROW, PH.D. (City College of C.U.N.Y., Harvard)

Assistant Professor of Physics

RICHARD JOSEPH CLAREY, PH.D. (Bowdoin, Amos Tuck, Cornell)

Assistant Professor of Administrative Science

FREDERICK RUSSELL COLE, PH.D. (Massachusetts, Illinois)

Assistant Professor of Biology

WALDO HERBERT COVELL, M.ED. (Maine)

Adjunct Assistant Professor of Physical Education

PRISCILLA ALLEN DOEL, M.A. (Colby Junior, New York University)

Assistant Professor of Modern Languages (Portuguese and Spanish)

ROBERT GEORGE DOEL, M.A. (Heidelberg, Kent State)

Assistant Professor of Sociology

DAVID H. FIRMAGE, PH.D. (Brigham Young, Montana)

Assistant Professor of Biology

JOHN ANTHONY GOULET, PH.D. (Worcester Polytechnic, Rensselaer Polytechnic)

Assistant Professor of Mathematics

JOHN BRENNAN HAGENS, PH.D. (Occidental, Cornell)

Assistant Professor of Economics

PETER BROMWELL HARRIS, PH.D. (Middlebury, Indiana)

Assistant Professor of English

CHARLES STEWART HAUSS, PH.D. (Oberlin, Michigan)

Assistant Professor of Government

HOMER T. HAYSLETT, JR., PH.D. (Bridgewater, Virginia Polytechnic, Dartmouth)

Assistant Professor of Mathematics

JOHN THOMAS ROBERT HIGGINS, M.F.A. (Maryville, Wisconsin)

Assistant Professor of Art

MICHAEL LLOYD HODGES, M.ED. (Maine)

Adjunct Assistant Professor of Physical Education

ROBERT HURD KANY, PH.D. (Michigan, Pennsylvania State)

Assistant Professor of History; Director of the Division of Special Programs

SUSAN MCILVAINE KENNEY, PH.D.⁶ (Northwestern, Cornell)

Assistant Professor of English

LEWIS FREDERICK LESTER, PH.D. (City University of New York, Connecticut)

Assistant Professor of Psychology; Clinical Psychologist

THOMAS RICHMOND WILLIS LONGSTAFF, PH.D.¹ (Maine, Bangor Theological, Columbia)

Assistant Professor of Philosophy and Religion

PAUL STUART MACHLIN, PH.D. (Yale, California at Berkeley)

Assistant Professor of Music

LOUIS SANDY MAISEL II, PH.D. (Harvard, Columbia)

Assistant Professor of Government

PHYLLIS FRANCES MANNOCCI, M.A., M.PHIL. (Pennsylvania, Columbia)

Assistant Professor of English

ANTHONY MARTIN MARAMARCO, PH.D. (Colby, Chicago)

Assistant Professor of English; Administrative Assistant to the President

MARILYN SWEENEY MAVRINAC, M.A.⁶ (Wellesley, Columbia)

Assistant Professor of Education

RICHARD JOHN MCGEE, B.S. IN ED. (Maine)

Assistant Professor of Physical Education

JAMES RICHARD MCINTYRE, PH.D. (Michigan State)

Assistant Professor of Modern Languages (German)

ROGER NATHAN METZ, PH.D. (Oberlin, Cornell)

Assistant Professor of Physics

CHRISTINE ELIZABETH MITCHELL-WENTZEL, M.A. (Massachusetts, Michigan)

Adjunct Assistant Professor of Dance

THOMAS JACK MORRIONE, PH.D.¹ (Colby, New Hampshire, Brigham Young)

Assistant Professor of Sociology

ROBERT EDWARD MULLER, PH.D. (Cornell, S.U.N.Y. at Stony Brook)

Assistant Professor of Biology

- CARL E. NELSON, M.ED. (Boston University, Maine)
Adjunct Assistant Professor of Physical Education; Director of Health Services
- MAURICE GEORGES OUDIN, PH.D. (Montana State, Oregon)
Assistant Professor of Modern Languages (French)
- ARTHUR RAMIREZ, PH.D. (Texas)
Assistant Professor of Modern Languages (Spanish)
- JOSEPH ANTHONY REITER, M.A. (Rutgers)
Assistant Professor of Modern Languages (French)
- DOROTHY SWAN REUMAN, M.A.⁶ (Wooster, Wisconsin)
Assistant Professor of Music
- SONYA ORLEANS ROSE, PH.D. (Antioch, Northwestern)
Assistant Professor of Sociology
- ALEXANDER ROMM RYSMAN, PH.D. (Columbia, New York University)
Assistant Professor of Sociology
- IRA SADOFF, M.F.A. (Cornell, Oregon)
Assistant Professor of English
- THOMAS WAYNE SHATTUCK, PH.D. (Lake Forest, California at Berkeley)
Assistant Professor of Chemistry
- CARL BUCK SHEPARDSON, PH.D. (Middlebury, Syracuse)
Assistant Professor of Mathematics
- MICHAEL LEWIS SHERARD, PH.D. (Cornell)
Assistant Professor of East Asian Languages and Linguistics
- DIANE CAROL SKOWBO, PH.D. (Miami [Ohio], Brandeis)
Assistant Professor of Psychology
- EARL HAROLD SMITH, B.A. (Maine)
Assistant Professor; Dean of Students
- HARRY CHARLES SNYDER, PH.D. (Wichita, Middlebury, Brown)
Assistant Professor of Modern Languages (Russian and French)
- RICHARD ALLEN TAYLOR, M.A. (Trenton State, Trinity)
Adjunct Assistant Professor of Physical Education
- ROLAND W. THORWALDSEN, M.A., M.DIV. (Monmouth, California at Berkeley, Church Divinity)
Assistant Professor of Philosophy and Religion; Chaplain
- JONATHAN MARK WEISS, PH.D. (Columbia, Yale)
Assistant Professor of Modern Languages (French)
- RICHARD LATHAM WHITMORE, JR., M.ED. (Bowdoin, Maine)
Adjunct Assistant Professor of Physical Education

STEPHEN RICHARD WOODY, M.F.A. (California State, Yale)
Assistant Professor; Technical Director for Performing Arts

INSTRUCTORS CAROL HOFFER BASSETT, M.A.⁶ (South Dakota)
Instructor in Mathematics

GENE BARTHOLOMEW DELORENZO, B.A. (Colby)
Adjunct Instructor in Physical Education

MARTIN DONOVAN DOOLEY, PH.D. (Indiana, Wisconsin)
Instructor in Economics

LEE NATHAN FEIGON, PH.D. (California at Berkeley, Chicago, Wisconsin)
Instructor in History

MICHEL GOULET, M.ED. (New Hampshire, Ohio)
Adjunct Instructor in Physical Education

CHARLES TRACY HALEY, M.A. (S.U.N.Y. at Buffalo, S.U.N.Y. at Binghamton)
Instructor in History

GERALD BYRON JOHNSON, M.A. (Tulane, Cornell)
Instructor in English

MAURINE ADELIA KIRKPATRICK, B.A. (Colorado)
Instructor in Government

JOHN VINCENT LEARY, B.A. (Middlebury)
Adjunct Instructor in Physical Education

ROBERT KALADIN MCCONNELL, M.S. (Maine, Colorado)
Adjunct Instructor in Physical Education

MARGARET KOONS MILLER, B.A.⁶ (Wooster)
Instructor in Art

GONZALO PLASENCIA, M.A. (St. John's [New York], Brooklyn)
Instructor in Modern Languages (Spanish)

LOWELL DEAN SAMUEL, JR., M.B.A. (DePauw, Washington [Missouri])
Instructor in Administrative Science

DAVID NEWELL WILLIAMS, M.A. (Tulsa, Vanderbilt)
Instructor in Religion

LECTURERS JAMES WALLACE BUCHMAN, B.A.⁹ (Dartmouth)
Artist in Residence

ROBERT JOSEPH DOAN, M.A.⁷ (West Chester State, Pennsylvania State)
Lecturer in Modern Languages (French)

SIDNEY WEYMOUTH FARR, M.A. (Colby, Maine)
Lecturer in Government; Director of Financial Aid and Career Planning

BARRY BERNARD JACKSON, PH.D.⁶ (Tufts, Oregon)

Lecturer in Modern Languages (Spanish)

JOHN MARRON JOSEPH, JR., PH.D.⁶ (Boston College, Georgetown)

Lecturer in Economics

W. ELERY KEENE, M.S.⁷ (Wisconsin)

Lecturer in Geology

DAVID ANDREW LUPHER, B.A. (Yale)

Taylor Lecturer in Classics

RAYMOND L. NEINSTEIN, PH.D.⁶ (California at Berkeley, S.U.N.Y. at Buffalo)

Lecturer in English

PATRICIA ARNOLD ONION, PH.D.⁶ (Connecticut College, Harvard)

Lecturer in English

RICHARD BURBANK PARKER, PH.D.⁶ (Massachusetts Institute of Technology, Boston College)

Lecturer in Economics

STEPHEN GARRETT POLLOCK, PH.D.⁷ (Bucknell, Maine, Rutgers)

Lecturer in Geology

JEAN MARIE SANBORN, M.A.T.⁶ (Mount Holyoke, Harvard)

Lecturer in English

RICHARD CRITTENDEN SEWELL, M.A.

Lecturer in English; Director of Powder and Wig

WOODROW B. THOMPSON, PH.D.⁷ (Dartmouth, Vermont, Ohio State)

Lecturer in Geology

DAVID CLIFTON WALKER, B.A., B.LITT.⁶ (Bowdoin, Oxford)

Lecturer in English

FACULTY WITHOUT RANK SAMUEL LEIGH ATMORE, M.S. (Pennsylvania State, Simmons)

Audiovisual Librarian

GENE W. CLEVINGER, M.S.L.S. (Missouri, Denver)

Assistant Director for Technical Services, Library

J. FRASER COCKS III, PH.D. (Occidental, Michigan)

Special Collections Librarian

WILLIAM STUART DEBENHAM, JR., M.L.S. (Pittsburgh)

Director of Miller Library

MICHELLE DUFFY, M.S.L.S. (Mount Holyoke, Florida State)

Cataloguer, Library

HUGH JAMES GOURLEY III, A.B. (Brown)

Director of Museum of Art

FRANCES M. PARKER, M.S.L.S. (Harpur, Columbia)
Assistant Director for Public Services, Library

MARSHA TEITELBAUM, M.S.L.S. (Barnard, Case Western Reserve)
Reference Librarian

VISITING TUTORS NORMAN BALABAS
 IN APPLIED MUSIC *Concertmaster*

GORDON BOWIE, M.MUS.ED. (Colby, Colorado)
Trombone and Brass; Director of Colby Band

FREDA GRAY-MASSÉ, B.A. (Maine)
Voice

THOMAS HOFFMANN, M.M. (Syracuse)
Guitar

ADRIAN LO, M.M. (Indiana, Smith)
Violin and Viola

JEAN ROSENBLUM, B.A. (Oberlin)
Flute

WILLIAM WALLACE, B.M. (Oberlin)
Piano

¹On leave full year 1977-78.

²On leave first semester 1977-78.

³On leave second semester 1977-78.

⁴First semester only 1977-78.

⁵Second semester only 1977-78.

⁶Part-time 1977-78.

⁷Part-time first semester 1977-78.

⁸Part-time second semester 1977-78.

⁹January program only.

¹⁰Died April 11, 1977.

COLLEGE COMMITTEES

1977-78

The president of the college, and in his absence the vice-president for academic affairs, shall be a member ex officio of all committees of the college. The first-named member of each committee is its chairman except where otherwise indicated. Names with numerals following in parentheses are elected members; the numerals indicate the year of expiration of the term on the committee.

ADMINISTRATIVE President Strider / Vice-Presidents Jenson, Pullen / Professors Machlin ('78), Jacobson ('79), Hayslett ('80) / Dean of Students Smith / Assistant to the President Dyer / Mr. Maramarco, secretary, non-voting / three students: Ms. Anthonakes, Messrs. Lehigh, Roy (sem. 1); Ms. Pniowski, Messrs. Darrow, Lehigh (sem. 2).

- ADMISSIONS** Vice-Presidents Jenson, Pullen / Professors Easton ('78), Sweney ('79), A. Mavrinac ('80), Skowbo ('80) / Dean of Students Smith / Dean of Admissions Carroll, nonvoting / four students: Ms. E. Williams, Messrs. Lizza, Pfitzer, Uchida (sem. 1); Ms. Barotz, Messrs. Cutler, Knipp, Matthews (sem. 2) / one nonvoting alumna: Ms. Guité.
- ATHLETICS** Professors Machermer ('80), Hagens ('79) / Director of the Library Debenham ('78) / Director of Athletics McGee / Adjunct Assistant Professor Whitmore / three students: Ms. Poindexter, Messrs. Childers, Hoffman (sem. 1); Messrs. Branyan, Hoffman, Lovejoy (sem. 2) / one nonvoting alumnus: Mr. Reinhardt.
- BOOKSTORE** Professors Clarey ('78), Reiter ('79), J. Goulet ('80) / Bookstore Manager Fair / three students: Messrs. McAuliffe, Sacks, Slavin (sem. 1); Mses. Breton, Brydon, Mr. Demers (sem. 2).
- COMPUTER** Professors Metz, Combellack, Lester, Maisel, Firmage, Clarey / Vice-Presidents Jenson, Pullen / Assistant Director for Technical Services (Library) Clevenger / Director of the Computer Center Roberts / two students: Messrs. Donihue, Gregg (sems. 1, 2).
- EDUCATIONAL POLICY** Vice-President Jenson / President Strider / Professors Knight, W. Smith, Holland ('78), Hudson ('78), Koons ('78) on leave sem. 1 and replaced by Fowles, Briggs ('79), McArthur ('79), P. Doel ('79) / two students appointed by the president: Ms. Mickalide, Mr. Platt (sems. 1, 2) / three students selected by the Student Association: Ms. Maguire, Messrs. Nichols, Scott (sem. 1); Messrs. Leete, Nichols, Scott (sem. 2) / without vote: Associate Dean of Students Gillespie; Director of the Library Debenham; Mr. Maramarco, secretary; alumni representative, Mrs. Abbott.
- FINANCIAL AID** Vice-President Pullen / Deans Carroll, Gillespie / Treasurer Broekhuizen / Director of Financial Aid Farr / Professors Jacobson ('78), Champlin ('79), Weiss ('79), Clarey ('80) / four students: Mses. Carey, Eckland, London, Mr. Rosengren (sem. 1); Ms. Hampton, Messrs. Hubbert, D. Johnston, P. Weatherly (sem. 2) / one nonvoting alumnus: Mr. Bither.
- FINANCIAL PRIORITIES** Vice-Presidents Pullen, Jenson / Professors Hagens ('78), Briggs ('79), Ferguson ('80) / three students: Ms. L. Jones, Messrs. B. Brown, Deininger (sem. 1); Ms. Dwyer, Messrs. Deininger, Elmore (sem. 2) / one nonvoting alumnus: Mr. Eustis.
- FOREIGN STUDY AND STUDENT EXCHANGE PROGRAMS** Professors Cauz on leave sem. 2 and replaced by P. Doel, Champlin chairman sem. 2, Reiter, Sherard, Schmidt, Rosenthal, Hauss / Registrar Coleman / Associate Dean of Students Seitzinger / Assis-

tant to the Dean of Faculty Kiralis / four students: Mses. Clark, Couture, Frechette, Meeres (sem. 1); Mses. Dornish, Morton, Messrs. Musgrave, Ruzzo (sem. 2).

- INDEPENDENT MAJOR BOARD Vice-President Jenson / Professors Archibald ('78), Gemery ('78), Easton ('78), Combellack ('79), E. P. Johnson ('79), Oudin ('79) / two students: Ms. St. Clair, Mr. Forman (sem. 1); Ms. St. Clair, Mr. Knipp (sem. 2).
- JANUARY PROGRAM Professors Weiss ('78), Combellack, Skowbo ('79), Shattuck ('80) / Assistant to the Dean of Faculty Kiralis / three students: Mses. Cleaves, J. Fisher, Mr. J. Moody (sem. 1); Ms. Fiske, Messrs. Clarendon, Sorrentino (sem. 2).
- LIBRARY Professors Reiter ('78), Gemery ('78), Metz ('79), Muller ('80) / Director of the Library Debenham / Special Collections Librarian Cocks / three students: Mses. R. Peters, Hobson, Mr. Forman (sem. 1); Mses. Bullock, R. Peters, Mr. Forman (sem. 2).
- RIGHTS AND RULES Ms. Bogdonoff, student / Professors Harris ('78), Todrank ('79) / Director of Student Activities Chassé / Associate Dean of Students Seitzinger / four additional students: Mses. L. Smith, E. Williams, Messrs. Cecelski, Donegan (sem. 1); Mses. Brydon, Dwyer, St. Clair, Mr. Andrews (sem. 2).
- SENIOR SCHOLARS Professors Maier ('80), Westervelt, Perez ('78), H. Koonce ('79) on leave sem. 2 and replaced by W. Miller / one student: Mr. Heckel (sems. 1, 2).

FACULTY COMMITTEES

1977-78

- ADVISORY COMMITTEE ON FACULTY PERSONNEL POLICIES Professors Holland, Allen, Frank Parker ('78) on leave sem. 2 and replaced by Berschneider, Charles Bassett ('79), W. Smith ('80) / Vice-President Jenson.
- APPEALS BOARD¹ Professors Hauss ('79), Todrank ('78), Clarey ('80).
- GRADUATE SCHOLARSHIP Professors Charles Bassett, Bundy, Harris, D. Reuman, Terry, Todrank, Maisel, Meehan, W. Zukowski / Director of Financial Aid Farr.
- GRIEVANCE Professors Reid ('78), D. Reuman ('79), Filosof ('80).
- HEARING COMMITTEE FOR DISMISSAL PROCEEDINGS (Chairman to be elected by the committee.) For terms ending in '78: Professors Sweney, Meehan, Small, Bither, Westervelt; ending in '79: E. Kenney, Gemery, Pestana, Cocks, Nelson; ending in '80: Charles Bassett, Meehan, Bennett, Hayslett, Raymond.

- NOMINATING Professors R. Reuman, Holland, Small, Easton, Hudson.
- PROMOTION AND TENURE² Vice-President Jenson / Professors Benbow ('78), Raymond ('78), Bennett ('78), Charles Bassett ('79), Gemery ('79), L. Zukowski ('79), Sweney ('80), Hudson ('80), W. Smith ('80).
- REMEMBRANCE Professors Gillespie, Combellack, D. Reuman.
- RESEARCH, TRAVEL, AND SABBATICAL LEAVES Vice-Presidents Jenson, Pullen / Professors Holland, R. Reuman, Small.
- STANDING Professors Benbow, Knight, Bennett / Vice-President Jenson / Dean of Students Smith / Registrar Coleman.
- ¹As described in Article IV, "Student Judiciary."
²Formerly COMMITTEE OF NINE OF THE ACADEMIC COUNCIL.

OTHER COMMITTEES OR
COUNCILS 1977-78

- ADVISORY COMMITTEE ON FOREIGN STUDENT ADMISSIONS Professors Holland, Weiss, Easton, Sherard / Dean of Admissions Carroll / Registrar Coleman / Director of Financial Aid Farr, non-voting / three students: Ms. Gomez, Messrs. Omatseye, G. Rogers (sems. 1, 2).
- ADVISORY COMMITTEE ON SPECIAL COLLECTIONS (LIBRARY) Professors Curran, Pestana, Kany / Vice-President Jenson / Special Collections Librarian Cocks.
- AFFIRMATIVE ACTION Assistant Director for Public Services (Library) Parker ('78) / Professors Sherard ('78), Pestana ('79), Frank Parker ('79) on leave sem. 2 and replaced by S. Kenney / Mr. McAleer ('78), buildings and grounds / Ms. Dyer ('79), food service / Mr. Dyer ('78), administration without faculty rank / Mrs. Todrank ('78), support staff / Ms. Drury ('79), student.
- GRANTS
- Humanities* Professors Holland, Archibald, Armstrong on leave sem. 2 and replaced by Ré, Carpenter, Gillum, R. Reuman, Westervelt / Vice-Presidents Jenson, Pullen.
- Natural Sciences* Professors Small, Bennett, Koons on leave sem. 1 and replaced by Pestana, Metz, Reid, L. Zukowski / Vice-Presidents Jenson, Pullen.
- Social Sciences* Professors R. Reuman, Birge, Hogendorn, A. Mavrinc, Jacobson, Rohrman, W. Zukowski / Vice-Presidents Jenson, Pullen.
- INTERDISCIPLINARY STUDIES COUNCIL Vice-President Jenson / Professors Charles Bassett, Brancaccio, Pestana, E. P. Johnson, D. Koonce, Easton, Sherard, Witham.
- PERFORMING ARTS Professors Witham, Machlin, Mitchell-Wentzel, Woody, Suss / Mr. Sewell.

PROFESSIONAL PREPARATION

Law and Government Service Professors Maisel, Meehan, Weissberg.

Medical and Dental Professors Terry, Bennett, Maier, Metz.

REGIONAL STUDIES Professors Weiss, Charles Bassett, Bennett, Brancaccio, W. Miller,
Rosenthal, Koons, Tietenberg.

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Manager, Roberts Union Dining Hall

Inza T. Foster (Mrs.)
Manager, Foss Dining Hall

John Jenkins
Manager, Dana Dining Hall

¹Died December 12, 1977.

Enrollment by States and Countries

CLASSIFIED ACCORDING TO GEOGRAPHICAL
LOCATIONS OF STUDENTS' HOMES 1977-78

| | <i>Men</i> | <i>Women</i> | <i>Total</i> | | <i>Men</i> | <i>Women</i> | <i>Total</i> |
|----------------------|------------|--------------|--------------|-------------------|------------|--------------|--------------|
| ALL AREAS | 889 | 737 | 1626 | Ohio | 10 | 3 | 13 |
| NEW ENGLAND | 626 | 499 | 1125 | Oklahoma | 0 | 1 | 1 |
| Connecticut | 80 | 73 | 153 | Oregon | 1 | 0 | 1 |
| Maine | 133 | 140 | 273 | Pennsylvania | 23 | 16 | 39 |
| Massachusetts | 347 | 233 | 580 | Puerto Rico | 3 | 0 | 3 |
| New Hampshire | 30 | 35 | 65 | South Carolina | 1 | 2 | 3 |
| Rhode Island | 28 | 12 | 40 | Tennessee | 1 | 0 | 1 |
| Vermont | 8 | 6 | 14 | Texas | 1 | 5 | 6 |
| OUTSIDE NEW ENGLAND | 237 | 223 | 460 | Utah | 1 | 0 | 1 |
| Alabama | 0 | 1 | 1 | Virginia | 6 | 5 | 11 |
| Alaska | 0 | 1 | 1 | Washington | 1 | 1 | 2 |
| Arizona | 1 | 1 | 2 | West Virginia | 0 | 2 | 2 |
| California | 10 | 10 | 20 | Wisconsin | 1 | 1 | 2 |
| Colorado | 2 | 3 | 5 | Wyoming | 1 | 0 | 1 |
| Delaware | 3 | 2 | 5 | FOREIGN COUNTRIES | 26 | 15 | 41 |
| District of Columbia | 3 | 3 | 6 | Australia | 1* | 0 | 1 |
| Florida | 5 | 3 | 8 | Bangladesh | 1 | 0 | 1 |
| Georgia | 1 | 3 | 4 | Bolivia | 0 | 1 | 1 |
| Hawaii | 2 | 0 | 2 | Brazil | 0 | 1 | 1 |
| Illinois | 11 | 15 | 26 | Canada | 9** | 1* | 10 |
| Indiana | 3 | 1 | 4 | England | 2** | 4**** | 6 |
| Iowa | 0 | 1 | 1 | France | 1* | 2** | 3 |
| Kansas | 0 | 1 | 1 | Ghana | 1 | 0 | 1 |
| Louisiana | 2 | 0 | 2 | Iran | 0 | 1* | 1 |
| Marshall Islands | 0 | 1 | 1 | Italy | 1* | 0 | 1 |
| Maryland | 5 | 10 | 15 | Japan | 2* | 1* | 3 |
| Michigan | 4 | 4 | 8 | Malawi | 1 | 0 | 1 |
| Minnesota | 5 | 3 | 8 | Malaysia | 2 | 1 | 3 |
| Missouri | 1 | 4 | 5 | Morocco | 0 | 1* | 1 |
| Montana | 0 | 2 | 2 | Nigeria | 1 | 0 | 1 |
| Nebraska | 1 | 2 | 3 | Switzerland | 2* | 1* | 3 |
| New Jersey | 54 | 41 | 95 | Turkey | 1 | 0 | 1 |
| New Mexico | 0 | 1 | 1 | West Germany | 1* | 1* | 2 |
| New York | 72 | 72 | 144 | | | | |
| North Carolina | 2 | 2 | 4 | | | | |

Each * denotes one American citizen.

Degrees and Honors

The degree of Bachelor of Arts with honors is awarded in three grades: *summa cum laude* to those who obtain a 3.75 grade point average; *magna cum laude* to those with a 3.50 grade point average; *cum laude* to those with a 3.25 grade point average.

A second category of honors, entitled *distinction in the major*, is awarded to a student on the specific recommendation of the department. To be eligible, the student must have at least an average of 3.25 in the major and recommendation of the major department. The department recommends *distinction in the major* only for those very few students who, in the opinion of the department, merit special recognition.

In American colleges, it is generally considered that the highest honor an undergraduate can receive is election to Phi Beta Kappa. This society, founded in 1776, restricts its chapters to leading colleges and universities, and maintains high scholastic standards. The Beta Chapter of Maine was organized at Colby in 1895.

Each spring, the college recognizes student achievement with the announcement of various honors and awards. Among those recognized are: members of Phi Beta Kappa; Senior Scholars for the ensuing year; winners of college prizes; and recipients of Phi Beta Kappa certificates, awarded to members of the three lower classes for distinction in scholarship.

Academic excellence is also recognized at a convocation each fall for the Julius Seelye Bixler and Charles A. Dana scholars. Bixler Scholars are the top-ranking students as determined by the academic records of the preceding year. Dana Scholars are selected on the basis of a strong academic performance and potential leadership.

The Dean's List, recognizing high academic standing, and announced at the conclusion of each semester, includes the name of every student whose average of all marks in the previous semester has been at least 3.2 in a minimum of twelve basic credit hours for upperclassmen, 3.0 in a minimum of twelve basic credit hours for freshmen.

Degrees Awarded at Commencement

Sunday, May 29, 1977

BACHELOR OF ARTS

- Spencer Douglas Aitel, *Andover, Mass.*
 Eladio Alvarez, *Jayuya, P.R.*
 Mark Daniel Arnold, *Boise, Idaho*
 Peter Jason Ashley, *Attleboro, Mass.*
 Ann Tozier Atherton, *Schenectady, N. Y.*
 Ted Lawrence Axelrod, *Rochester, N. Y.*
 Kimberlee Ayer, *Keene, N.H.*
 Anne L. Backlund, *Washington, D. C.*
 Zeynep Baler, *Istanbul, Turkey*
 Nathaniel Carlton Beal, *Bridgton, Me.*
 Meredith Anne Bean, *Concord, Mass.*
 Catherine M. Beaulieu, *Lynn, Mass.*
 Kenneth Fernand Beland, *Islesboro, Me.*
 Paul Gillingham Black, Jr., *Greenbush, Mass.*
 Lawrence Ernest Blanchard, *Worcester, Mass.*
 Hendrix Hargrove Bodden, *Rio de Janeiro, Brazil*
 David Beecher Bogan, *Clarendon Hills, Ill.*
 Jo-Ellen Bois, *Falmouth, Me.*
 Michael Gerard Bolduc, *Fairfield, Me.*
 Priscilla Bondy, *Mamaroneck, N. Y.*
 David Stephen Boulanger, *Haverhill, Mass.*
 Norma Jane Boutet, *North Attleboro, Mass.*
 Peggy Stinchfield Braasch, *Waban, Mass.*
 Mark Edward Brefka, *Southborough, Mass.*
 Peter Martin Breu, *Rochester, Vt.*
 James Philip Bruen, *Lynn, Mass.*
 Deborah Ann Buccina, *Rumford, Me.*
 Charles John Burch III, *Claremont, N.H.*
 Linda Marie Cabibbo, *Hackensack, N.J.*
 Carolyn Page Cain, *Evanston, Ill.*
 William Calvin Calhoun, *Victorville, Calif.*
 Robert Francis Callahan, *East Hampton, Conn.*
 Ligia Raquel Campana, *New York, N. Y.*
 Lee Frances Canning, *Cranston, R. I.*
 George Capone III, *Roslindale, Mass.*
 James Peter Carris, *Jamaica Plain, Mass.*
 Jerrold Corbin Chadwick, Jr., *Georgetown, Mass.*
 Robert Cummings Chandler III, *Norridgewock, Me.*
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 Richard Tower Clampitt, *Wayland, Mass.*
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 Stephen Emery Cummings, *Amherst, N.H.*
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 Richard Tyler Davis, *Branford, Conn.*
 Paula Elaine Debnar, *Akron, Ohio*
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 Ann Morgan Dodge, *Bethesda, Md.*
 Melanie Dorain, *Lexington, Mass.*
 Cheryl Ann Doughty, *West Paris, Me.*
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 Andrew Louis Dubuque, *Greenwich, Conn.*
 Ann Dunlap, *Hopkinton, N.H.*
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 John Rudolph Goehring III, *Langhorne, Pa.*
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 Jocelyn Gorman, *Seekonk, Mass.*
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 Barry Edward Knapp, *Orange, Conn.*
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 Mark Richard Lyons, *Danvers, Mass.*
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 Douglas William Nannig, *North Kingstown, R.I.*
 Heidi Marie Neumann, *Darien, Conn.*
 Carter Reed Newell, *Waterbury, Conn.*
 Henry David Newman III, *Needham, Mass.*
 Glenn Stuart Newsome, *Armonk, N.Y.*
 Martha Ann Nist, *Kenmore, N.Y.*
 Cynthia Louise North, *Wellfleet, Mass.*
 Ellen Dempsey O'Brien, *Dubuque, Iowa*
 Jeffrey Gage Olmstead, *Longmeadow, Mass.*
 Peter Ommerle, *Darien, Conn.*
 John Joseph O'Neil, *Saugus, Mass.*
 Michael Charles Pappas, *Acton, Mass.*
 Diane Florence Paradis, *St. Agatha, Me.*
 Ronald Scot Paret, *Silver Lake, N.H.*
 James Innes Peale, *Concord, N.H.*
 Joanna Roberts Pease, *Lisbon, Portugal*
 David Arthur Peckham, *Canton, N.Y.*
 Janet Lee Peel, *Danvers, Mass.*
 Mary Alice Peet, *Fairport, N.Y.*
 Stephen Woodberry Peirce, *Wolfeboro, N.H.*
 Debra Nancy Perkins, *Dunedin, Fla.*
 Sherrie Lynn Perkins, *Los Alamos, N.M.*
 David Paul Piccioli, *Needham, Mass.*
 Mona Marie Pinette, *Berlin, N.H.*
 Steven Clark Potter, *Lenox, Mass.*
 Michael Gerard Poulin, *Waterville, Me.*
 Diane Jean Pratt, *Westbrook, Me.*
 Cynthia Neale Pullen, *Windsor, Conn.*
 Elsbeth Lewin Quimby, *Derry, N.H.*
 Leslie Ann Ramsay, *Amherst, N.H.*
 David Bradley Raymond, *Wrentham, Mass.*
 Jonathan Eliot Reisman, *Elkins Park, Pa.*
 Carl Francis Rella, *New Rochelle, N.Y.*
 Carol Jean Ricci, *South Paris, Me.*
 Mark Munro Richardson, *North Attleborough, Mass.*
 Helen Richmond, *Dover, Mass.*
 Michael Quentin Rieck, *Greenwich, Conn.*
 Geoffrey Linhoff Rogers, *Weston, Conn.*
 Angela Victoria Rosales, *Puerto Cortes, Honduras*
 Nathaniel Magnes Rosenblatt, *Philadelphia, Pa.*
 Stephen Gerard Roy, *Waterville, Me.*
 Barbara Ann Russell, *Belfast, Me.*
 Alan Harris Ruth, *Toronto, Ontario*
 Carol Ann Samaras, *Lowell, Mass.*
 Julio G. Sanchez Arredondo, *San Isidro de El General, Costa Rica*
 Jeffrey Crocker Sanderson, *Hopkinton, N.H.*
 Leonard George Sautler, Jr., *Waterville, Me.*
 John Edward Sawyer, *Waterville, Me.*
 Karen Lee Sawyer, *Contoocook, N.H.*
 Eric Morris Schmidt, *New York, N.Y.*
 Claudia S. Schneider, *Farmington, Me.*
 Randall James Schreitmueller, *Whippany, N.J.*
 Amy Letitia Schuetz, *Lake Forest, Ill.*
 James Jay Schwartz, Jr., *Rowayton, Conn.*

- Jeffrey Mark Schwartz, *Melville, N. Y.*
 Stephen Alexander Scullen III, *Clifton Park, N. Y.*
 Janee Ruth Shaw, *Augusta, Me.*
 Kemal Adil Sheikh, *Northboro, Mass.*
 Beth Alison Shinn, *Johnston, R. I.*
 Mary Elizabeth Shumaker, *Providence, R. I.*
 Lauren Edra Siegel, *Lynn, Mass.*
 Peter Alan Siegel, *Great Neck, N. Y.*
 Mark Gorman Silverman, *Weston, Mass.*
 Mindy Rae Silverstein, *Lake Worth, Fla.*
 Awetu Simesso, *Addis Ababa, Ethiopia*
 Jonathan Burton Sims, *Larchmont, N. Y.*
 Norman Charles Skaggs, *New London, Conn.*
 Peter Matthew Skoler, *Quincy, Mass.*
 Genevieve Elizabeth Smith, *Plainsboro, N. J.*
 Robert Putnam Southwick, *Peabody, Mass.*
 Richard Kendall Sprenger, *Needham, Mass.*
 Jeffrey Russell Stafford, *Bloomfield, Conn.*
 Patti Ann Stoll, *Needham, Mass.*
 Patricia Lynn Stuart, *Lynchburg, Va.*
 Jan Staples Swets, *Amherst, N. H.*
 Alan Shaw Taylor, *West Buxton, Me.*
 John Bechtel Tew, Jr., *Lincoln, Mass.*
 Brett Winslow Thacher, *Marion, Mass.*
 Madelyn Eve Theodore, *Manchester, N. H.*
 Suzanne Pauline Thivierge, *Saco, Me.*
 Bruce Edward Thomson, *Ann Arbor, Mich.*
 Claudia Barbara Thornsjo, *Albion, Me.*
 Lou Anne Ruth Tobias, *Pittsford, N. Y.*
 Paul Steven Todd, *Auburn, Mass.*
 Ina-Lee Toll, *Marblehead, Mass.*
 James Graham Torrance, *Rancho Palos Verdes, Calif.*
 Lisa Marie Tripler, *Baldwin, N. Y.*
 Patricia Ann Turcic, *Palmyra, Me.*
 Valerie Jo Uber, *Wausau, Wis.*
 Steven Peter Vangel, *Woonsocket, R. I.*
 Laurel Van Stone, *Avon, Conn.*
 David Austin Vaughan, *Attleboro, Mass.*
 Beverly Vayhinger, *Silver Spring, Md.*
 Susan Magoun Wadsworth, *Arlington, Vt.*
 Elizabeth Damon Weaver, *Albion, Me.*
 William Henderson Welte, *Gales Ferry, Conn.*
 Francis Courtney Wemyss, *Huntington, N. Y.*
 Joel Steven White, *Blue Hill Falls, Me.*
 Christopher Charles Whiting, *Rumford, Me.*
 Thomas Forrest Whittier, *Farmington, Me.*
 Jane Curtis Williams, *Winchester, Mass.*
 Barbara Elaine Willis, *Manset, Me.*
 Lloyd Peter Wise, *Chatham, N. J.*
 Carl Gustav Witthoft, *Lexington, Mass.*
 Kent William Wommack, *Cincinnati, Ohio*
 Peter Crawford Woodhouse, *Simsbury, Conn.*
 Susan Anne Woods, *Basking Ridge, N. J.*
 Michael Todd Yeager, *Contoocook, N. H.*
 William McGown Yoder, *Darien, Conn.*
 William Charles Yovic, *Senneville, Quebec*
 Steven William Zuchero, *Swampscott, Mass.*
- As of the Class of 1976*
 Scott Earl Pickett, *Woodbury, Conn.*
- As of the Class of 1975*
 Cynthia Mills Baker, *Newcastle, Me.*
- As of the Class of 1974*
 Paul Forscher, *Chappaqua, N. Y.*
 Doris Ford Mathis, *Prichard, Alab.*
- As of the Class of 1973*
 Janet Stafford Copithorn, *Reading, Pa.*
 Barbara Irwin Marble, *Old Town, Me.*
- Degrees Granted in October as of the Class of 1976*
 Leon Alvah Bradbury, Jr., *Farmington, Conn.*
 David Merrill Goodwin, *South Windsor, Conn.*
 Abdillahi Zubeir Rijal, *Zanzibar, Tanzania*
 Linda Sue Wallach, *Manhasset, N. Y.*
- MASTER OF SCIENCE IN TEACHING
 Kathy Holtan Fogler, *Suffern, N. Y.*
- HONORARY DEGREE RECIPIENTS
 Frederick William Andres
Doctor of Laws
 Herschel L. Bricker
Doctor of Fine Arts
 Gwendolyn Brooks
Doctor of Letters
 John Melville Burgess
Doctor of Divinity
 Elias James Corey
Doctor of Science
 Marion Starbird Pottle
Doctor of Humane Letters
 John Glenroy Sinclair
Doctor of Science

Pauline Tompkins
Doctor of Laws

Thomas Winship
Doctor of Laws

Honors

BACHELOR'S DEGREE WITH HONORS

Summa Cum Laude

Ronald Francis Clarke
Paula Elaine Debnar
Cheryl Ann Doughty
Mark David Gildersleeve
Amy Ruth Goldstein
Nicholas Andrew Jans
Victoria Marie Johnson
Anne Prosser Kohlbry
Joanna Roberts Pease
John Edward Sawyer

Magna Cum Laude

Ted Lawrence Axelrod
Kimberlee Ayer
Zeynep Baler
Kenneth Fernand Beland
Deborah Ann Buccina
Carolyn Page Cain
Timothy Joseph Clark
Kevin Richard Convey
Nancy Ellen Epstein
Robert Gordon Estes, Jr.
Kevin Michael Farnham
Margaret Anne Felton
Kenneth Frank Fox
Jay David Franzel
Dale Lynn Gavin
Arthur Joseph Gerrier, Jr.
Jocelyn A. Gorman
Emily Graham
Ehrhardt Aldo Whitney Groothoff
Thomas Weston Hearne III
Frederick John Hodgdon
Janet Eve Josselyn
Stefan Edwin Karas
Robin Sue Kessler
Russell Marchant Lowe

Jonathan Roy Maslow
Cynthia Louise North
David Arthur Peckham
Jonathan Eliot Reisman
Carl Francis Rella
Nathaniel Magnes Rosenblatt
Carol Ann Samaras
Mindy Rae Silverstein
Alan Shaw Taylor
Ina-Lee Toll
Susan Magoun Wadsworth
Carl Gustav Witthoft
Susan Anne Woods

Cum Laude

David Beecher Bogan
Jo-Ellen Bois
Leon Alvah Bradbury, Jr. ('76)
Peter Martin Breu
Robert Francis Callahan
Lee Frances Canning
Jerrold Corbin Chadwick, Jr.
Robert Cummings Chandler III
Stephen Emery Cummings
Marcel Albert Dionne
Wm. Howard Ellis
Donald Arthur Erickson
Jonathan David Fenton
James Dickinson Firth
Carolyn Ruth Frazier
Susan Mary French
Peter Leonard Garrambone, Jr.
Douglas Vandervoort Gathany
Peter Waldron Gillies, Jr.
Howard Jeffrey Gottesfeld
Peter Paul Harrington, Jr.
Rhonda Susan Helzner
Margaret Anne Horstmann
James Douglas Houck
Andrea Jensen

Deborah Celia Kraus
 Mark Lauritano
 David Oliver Lillich III
 Martin Maximilian Lobkowicz
 Carol Anne Lupton
 Ann Frances Lyons
 Herbert Magid
 Linda Louise Malcolm
 Denise Martell Martin
 Priscilla Sarah Martin
 Nancy Marie McGarrah
 Christine McKeown
 Margaret Carrie Milligan
 Jeffrey Gage Olmstead
 Mona Marie Pinette
 Diane Jean Pratt
 Michael Quentin Rieck
 Julio G. Sanchez Arredondo
 Jeffrey Crocker Sanderson
 Janee Ruth Shaw
 Patricia Lynn Stuart
 Jan Staples Swets
 Bruce Edward Thomson
 Lisa Marie Tripler
 David Austin Vaughan
 Beverly Vayhinger
 Christopher Charles Whiting
 Jane Curtis Williams
 Lloyd Peter Wise

HONORS IN ECONOMICS

Mark David Gildersleeve

DISTINCTION IN THE MAJOR

Administrative Science

Ronald Francis Clarke
 Stephen Emery Cummings
 Marcel Albert Dionne
 Donald Arthur Erickson
 Margaret Anne Felton
 David Oliver Lillich III
 Mona Marie Pinette
 Bruce Edward Thomson

Administrative Science-Mathematics

Frederick John Hodgdon

American Studies

James Dickinson Firth

Kenneth Frank Fox
 Susan Mary French
 Howard Jeffrey Gottesfeld
 Emily Graham
 Diane Jean Pratt

Art

Arthur Joseph Gerrier, Jr.
 John Edward Sawyer
 Susan Magoun Wadsworth

Biology

Kenneth Fernand Beland
 Eric Warren Heinzelmann
 Stefan Edwin Karas
 Joanna Roberts Pease
 Sherrie Lynn Perkins
 Peter Matthew Skoler

Chemistry

Timothy Joseph Clark
 Nathaniel Magnes Rosenblatt

Classics

Dale Lynn Gavin
 Carl Francis Rella

Classics-English

Kevin Richard Convey
 Paula Elaine Debnar

East Asian Studies

Robert Gordon Estes, Jr.

Economics

Zeynep Baler
 Ronald Francis Clarke
 Margaret Anne Felton
 Peter Leonard Garrambone, Jr.
 Douglas Vandervoort Gathany
 Mark David Gildersleeve
 Jocelyn Gorman
 Herbert Magid
 Jonathan Eliot Reisman
 Patricia Lynn Stuart
 David Austin Vaughan

English

David Beecher Bogan
 Robert Cummings Chandler III
 Kevin Michael Farnham
 Jay David Franzel
 Dale Lynn Gavin

Nicholas Andrew Jans
 Claire Ann Julian
 Robin Sue Kessler
 Alexis Heidi Klickstein
 Anne Prosser Kohlbry
 Denise Martell Martin
 Jonathan Roy Maslow
 Norman Charles Skaggs
 William Henderson Welte
 Lloyd Peter Wise

Environmental Studies

Jeffrey Gage Olmstead
 Jonathan Eliot Reisman

French

Victoria Marie Johnson
 Suzanne Marcelle Morneau

German

Kimberlee Ayer
 Melissa May Hurley
 James Graham Torrance

Government

Robert Francis Callahan
 Jerrold Corbin Chadwick, Jr.
 Susan Mary French
 Amy Ruth Goldstein
 Nancy Marie McGarrah
 Margaret Carrie Milligan
 Janee Ruth Shaw

History

Arthur Joseph Gerrier, Jr.
 Peter Paul Harrington, Jr.
 James Douglas Houck
 Russell Marchant Lowe
 Carol Anne Lupton
 Carol Ann Samaras
 Alan Shaw Taylor
 Susan Anne Woods

Human Development

Nancy Ellen Epstein
 Jonathan David Fenton
 Douglas Beck Francisco
 Margaret Anne Horstmann
 Janet Eve Josselyn
 Deborah Celia Kraus
 Linda Louise Malcolm

Mindy Rae Silverstein
 Beverly Vayhinger

Mathematics

Richard Tower Clampitt
 Peter Leonard Garrambone, Jr.
 Michael Quentin Rieck
 Carl Gustav Witthoft

Music

Carolyn Page Cain
 Jane Curtis Williams

Philosophy

Robert Gordon Estes, Jr.
 William Blake Luce
 John Edward Sawyer

Philosophy-Mathematics

Thomas Weston Hearne III

Physics

Kevin Michael Farnham
 David Arthur Peckham
 Michael Quentin Rieck
 Carl Gustav Witthoft

Psychology

Ted Lawrence Axelrod
 Deborah Celia Kraus
 Ina-Lee Toll

Psychology-Mathematics

Cheryl Ann Doughty

Religion

David Beecher Bogan
 George Capone III

Sociology

Deborah Ann Buccina
 Howard Jeffrey Gottesfeld
 John Theodore Kirkpatrick

PHI BETA KAPPA

Elected in Junior Year

Robin Sue Kessler
 Joanna Roberts Pease
 John Edward Sawyer

Elected in Senior Year

Ted Lawrence Axelrod
 Kimberlee Ayer
 Zeynep Baler

Deborah Ann Buccina
 Timothy Joseph Clark
 Kevin Richard Convey
 Paula Elaine Debnar
 Cheryl Ann Doughty
 Robert Gordon Estes, Jr.
 Kevin Michael Farnham
 Mark David Gildersleeve
 Amy Ruth Goldstein
 Thomas Weston Hearne III
 Frederick John Hodgdon
 Nicholas Andrew Jans
 Victoria Marie Johnson
 Stefan Edwin Karas
 Anne Prosser Kohlbray
 David Arthur Peckham
 Carl Francis Rella
 Mindy Rae Silverstein
 Susan Magoun Wadsworth

SENIOR SCHOLARS

George Capone III
The Synoptic Problem: An Investigation of Synoptic Relationships

Kevin Michael Farnham
The Seaswan, A First Draft for a Novel

Kenneth Frank Fox
Saul Bellow and New Nonfiction: A Comparative Approach to Contemporary American Literature

Qaiser Mahmood Khan
A Socio-Economic Analysis of Population Growth

Deborah Celia Kraus
Moral Decision and Moral Development

Mona Marie Pinette
Historical Reasons for Differences in Comparative Accounting Systems

John Edward Sawyer
Formalism and Post-Formalism in American Art Since 1960

Alan Shaw Taylor
Maine and the Hartford Convention: The Impact of the War of 1812 on Maine and Massachusetts Politics

Jane Curtis Williams
Do Tell, A Children's Environmental Musical

William Henderson Welte
Off Soundings: Poems

Lloyd Peter Wise
The Journey Out: Poems

JULIUS SEELYE BIXLER SCHOLARS

Class of 1977
 Victoria Marie Johnson
 Anne Prosser Kohlbray
Class of 1978
 James Jon De Yoreo
 Verne Kennedy Heckel
 Ann Margaret McCreary
 Michael Patrick Scott
Class of 1979
 Monique Louise Fecteau
 Marc Alan Garcia
 Angela Denise Mickalide
 Gregory Mark Pfitzer
 Eric Scott Rosengren

CHARLES A. DANA SCHOLARS

Class of 1977
 Kimberlee Ayer
 Kenneth Fernand Beland
 Timothy Joseph Clark
 Cheryl Ann Doughty
 Kevin Michael Farnham
 Peter Leonard Garrambone, Jr.
 Thomas Weston Hearne III
 Frederick John Hodgdon
 Nicholas Andrew Jans
 Robin Sue Kessler
 Nancy Marie McGarrah
 Joanna Roberts Pease
 Diane Jean Pratt
 Julio G. Sanchez Arredondo
 John Edward Sawyer
 Mindy Rae Silverstein
Class of 1978
 Jennifer Carol Barber
 Anthony John Cagino
 Kathy Anne Colello
 Karla Joan de Steuben
 Donna Maria Dietzko
 Paula Marie Jones
 James Drennan Lowell, Jr.

Mary Elizabeth Rolerson

Paul Rose

Bonnitta Marie Roy

Peter Alexander Schmidt-Fellner

Class of 1979

David Watson Allen

Alan Kirk Banks

Amy Jane Burdan

Catherine Courtenaye

Ellen Elizabeth Dunwoody

Rhonda Jane Htoo

Mark Andrew McAuliffe

George Andrew Powers

John Edward Smedley

Jon Christian Swenson

Katherine Ruth Wall

Wende Harriet Whiting

College Prizes 1976-77

GENERAL *George F. Baker Scholarships.* Awarded to sophomores (and usually reawarded to juniors) demonstrating high qualities of character and motivation, a high degree of recognition by their contemporaries, superior mental competence, and an expressed interest in a business career.

RICHARD ANDREW DEININGER '78, KARLA JOAN DE STEUBEN '78, LINDA JEAN DONNELL '78, ELLEN SCOTT GEANEY '79, SCOTT PERLEY HAMILTON '78, LAWRENCE KENYON HILL '78, BARRY HORWITZ '79, DAVID FRANCIS KAYATTA '78, GARY MARTIN LAMONT '78, MARK ANDREW MCAULIFFE '79, ROSS ADAM MOLDOFF '79, RANDY CHRIS PAPAPELLIS '79, KAREN JEANNE PAZARY '79, ERIC SCOTT ROSENGREN '79, LINDA MARIE SULLIVAN '78, JEFFREY ROBINSON TAYLOR '79, PROSPERE SHELTON VIRDEN '78.

Bixler Bowl Award. Awarded to that fraternity which has as a group contributed most constructively to the overall work of the college program.

Not awarded.

Bixler Scholarships. Awarded annually to top-ranking students, known as Bixler Scholars, in recognition of their academic achievements. The amount of each scholarship, which is not announced, is determined by need.

Frederick F. Brewster Honor Scholarship.

LEE CHARLES ROBERTS '78.

Colby Library Associates Book Prize.

Not awarded.

Condon Medal. Gift of the late Randall J. Condon '86, awarded to the senior who, by vote of his classmates and approval by the faculty, is deemed "to have exhibited the finest qualities of citizenship and has made the most significant contribution to the development of college life."

AWETU SIMESSO '77.

Charles A. Dana Scholarships. Available to qualified sophomores, juniors, and seniors. The purpose of these scholarships is to identify and encourage students of good character with strong academic backgrounds who have given evidence of potential leadership traits. Each year, approximately sixty new Dana Scholars are selected.

Adelaide True Ellery Scholarship. Awarded to a woman for outstanding religious leadership.

ANGELA DENISE MICKALIDE '79.

Arthur Galen Eustis, Jr., Prize. Awarded to a member of the junior class who, as an adviser to freshmen or as a member of the dormitory

staff, has exhibited qualities of integrity, leadership, warmth of personality, and concern for others.

R. CHRISTOPHER NOONAN '78.

Lelia M. Forster Prizes. Awards are made to the freshman man and woman who, "by their academic performance, the respect they command from their classmates, and the constructive contribution they have made to life on the campus, have shown the character and ideals most likely to benefit society."

JOHN EDWARD VEILLEUX '80, GRETCHEN ELLEN HALL '80.

Phyllis S. Fraser Scholarship. Presented by Alpha chapter of Sigma Kappa to a Colby son or daughter.

Not awarded.

Josephine Bodurtha Gagnon Scholarship. Awarded annually by the Alpha Delta chapter of Alpha Delta Pi sorority on the basis of financial need, scholarship, and campus leadership.

Not awarded.

Hillel Honor Keys. Presented by the B'nai B'rith Hillel Foundations for outstanding leadership.

MIMI ANN BRODSKY '80, ALICE DIANE DOMAR '80.

Lieutenant John Parker Holden, II, Award. For students who exemplify the ideals of citizenship, responsibility, integrity, and loyalty.

DALE LLOYD HEWITT '80.

Donald P. Lake Awards. Given to seniors whom the Varsity "C" Club selects for outstanding scholastic achievement, athletic leadership, and ability.

ROBIN SUE KESSLER '77, BEVERLY VAYHINGER '77.

Kim Miller Memorial Prize. Given by the alumni and active chapter of Lambda Chi Alpha to an outstanding junior man who exemplifies the qualities of friendship, individualism, and leadership.

JAMES HENRY CROOK '78.

Lorraine Morel Memorial Award. Given to a junior woman who, by her sense of purpose and service, has made significant contributions to the academic and social life of the campus.

JOAN CAROL VICARIO '78.

George T. Nickerson Award. Presented by the Council of Fraternity Presidents to the fraternity that fosters to the greatest extent student, faculty, and administrative relations.

Not awarded.

Jacqueline R. Nunez Award. Given to a woman student with outstanding qualities.

JOANNA ROBERTS PEASE '77.

Laurie Peterson Memorial Book Prize. Given to a junior government major who, through academic achievement and evidence of leadership and character, has made an outstanding contribution to the department.

ELISABETH MATHEY '78.

Ninetta M. Runnals Scholarship. Awarded by Delta Alpha Upsilon to an undergraduate woman for scholastic performance, well-defined educational objectives, and community participation.

ELLEN SCOTT GEANEY '79.

Scott Paper Foundation Award for Leadership. Awarded to a sophomore who has demonstrated outstanding scholarship, leadership, and participation in extracurricular activities.

PAUL DAVID KAZILIONIS '79.

Student Association Awards. Presented to a senior man, a senior woman, and a college employee for service to the college.

STEVEN WILLIAM ZUCHERO '77, PRISCILLA BONDY '77, KENNETH ROBERTS.

Philip W. Tirabassi Memorial Award. A book awarded to a junior man who has "willingly assisted his classmates, promoted the best interests of the college, and maintained a superior academic average."

J. DRENNAN LOWELL, JR. '78.

Carrie M. True Awards. Given to women selected for pronounced religious leadership and influence on the life of the college.

JANE ELLEN DIBDEN '80, LAUREL ANNE MUNSON '80.

Waterville Area Alumni Association Award. Presented for scholastic and personal achievement to a senior from the Waterville area.

JOHN EDWARD SAWYER '77.

ADMINISTRATIVE SCIENCE *James J. Harris Prizes.*

LINDA JEAN DONNELL '78, SCOTT PERLEY HAMILTON '78, GARY MARTIN LAMONT '78, J. DRENNAN LOWELL '78, LINDA MARIE SULLIVAN '78.

Ernest L. Parsons Prizes.

RONALD FRANCIS CLARKE '77, MARGARET ANNE FELTON '77, FREDERICK JOHN HODGDON '77, MONA MARIE PINETTE '77.

Prentice-Hall Accounting Award.

GAYLE ELIZABETH AMATO '79.

Wall Street Journal Award in Finance.

CARL FREDERICK NELSON '78.

ART *Charles Hovey Pepper Prize.*

SHANNON McARTHUR, special student.

CLASSICS *John B. Foster Prize.*

PAULA ELAINE DEBNAR '77.

DRAMATICS *Andrew Blodgett Award.*

MICHAEL TODD YEAGER '77.

ECONOMICS *Breckenridge Prizes.*

RONALD FRANCIS CLARKE '77, MARK DAVID GILDERSLEEVE '77.

Faculty Prizes in Economics.

MARK DAVID GILDERSLEEVE '77, JONATHAN ELIOT REISMAN '77.

ENGLISH *Mary Low Carver Prizes for Poetry.*

Women: *1st Prize:* WENDY BEATRICE BOEKE '79.

2nd Prize: THEANNA MARIE POULOS '79.

Men: *1st Prize:* LLOYD PETER WISE '77.

2nd Prize: SAM HAVILAND CREMIN '78.

Solomon Gallert Short Story Prizes.

1st Prize: ANDREW THOMAS PLANTE '79.

2nd Prize: STEPHEN JOHN FLACHSBART '77.

Elmira Nelson Jones Essay Prize.

DAVID CHARLES MOSCHELLA '77.

HISTORY AND GOVERNMENT *F. Harold Dubord Prize in Political Science.*

AMY RUTH GOLDSTEIN '77.

Paul A. Fullam History Prizes.

ARTHUR JOSEPH GERRIER '77, ALAN SHAW TAYLOR '77.

Edward Lampert History Prize.

Not awarded.

William J. Wilkinson History Prize.

ALLAN WADE KOERNER '78.

Susan Lee Yovic Award. Presented to the student who has achieved the highest degree of competence in the field of international law.

Not awarded.

INTERDISCIPLINARY STUDIES *American Studies Prizes.*

1st Prize: EMILY GRAHAM '77.

2nd Prize: JAMES DICKINSON FIRTH '77.

3rd Prize: KENNETH FRANK FOX '77.

East Asian Studies Prizes.

China: ROBERT WONG '79.

Japan: ELIZABETH LOGAN ARMSTRONG '79.

MODERN LANGUAGES *Chinese Book Prize.*

JONATHAN DAVID FENTON '77.

French Book Prizes.

ANN MERIDEN ALBEE '80, STACEY JILL COX '79, JANET GRAY DWIGHT '79,
MONIQUE LOUISE FECTEAU '79, VICTORIA MARIE JOHNSON '77, JAMES JAY
SCHWARTZ, JR. '77, DAVID HOWARD SIMONDS '78.

German Consulate Book Prizes.

KIMBERLEE AYER '77, LEANNE MARIE NICKON '80, HOANG NGOC VU '80.

Japanese Book Prize.

LAUREN EDRA SIEGEL '77.

Linguistics Prize.

FRANCIS COURTNEY WEMYSS '77.

Harrington Putnam Prizes for Excellence in German.

KIMBERLEE AYER '77, PETER MARTIN BREU '77, JENNIFER LANNING DAVIS
'77, KAREN HALE DUNKLE '80, PAUL ANTHONY FANELLI '79, LINDA JEAN
HARTMAN '79, LEANNE MARIE NICKON '80, GREGORY MARK PFITZER '79,
PETER SCHMIDT-FELLNER '78, JAMES GRAHAM TORRANCE '77, HOANG
NGOC VU '80.

Russian Book Prize.

MONIQUE LOUISE FECTEAU '79.

Spanish Book Prizes.

GAIL AGNES CIMINO '80, CATHERINE ANNE FISKE '80, JOANNE MARGARET
LYNCH '80, NELSON VANDEVENDER RUSSELL '80, MICHAEL PATRICK SCOTT
'78, WENDE HARRIET WHITING '79.

MUSIC *Colby College Band Award.*

RUSSELL MARCHANT LOWE '77.

Ermanno Comparetti Music Prize.

DANA STEPHEN RUSSIAN '79.

Glee Club Award.

JANE CURTIS WILLIAMS '77.

Alma Morrisette Award.

JANE CURTIS WILLIAMS '77.

Symphony Orchestra Awards.

LEE-ANNE MESERVEY '78, PATRICIA ANN TURCIC '77.

NATURAL SCIENCES *ACS Undergraduate Award in Analytic Chemistry.*

STEPHEN BARRY JACOBS '78.

American Institute of Chemists Award.

TIMOTHY JOSEPH CLARK '77.

The Webster Chester Biology Prize.

DEBORAH JAN COHEN '77.

Chi Epsilon Mu Prize in Chemistry.

SUE ELLEN McLEOD '80.

Alan Samuel Coit Biology Prizes.

CARTER REED NEWELL '77, JULIO GERARDO SANCHEZ ARREDONDO '77.

Departmental Prizes in Science.

Biology: Not awarded.

Chemistry: JOHN LAWRENCE CRISPIN '79, BRADFORD SAMUEL GERMAIN '78, DOUGLAS WILLIAM NANNIG '77.

Geology: LINDA ELAINE PAGE '78, ELIZABETH SANDIN '79.

Mathematics: WOODSON SCOTT BERCAW '78, RICHARD TOWER CLAMPITT '77, GARY MARTIN LAMONT '78.

Physics: Not awarded.

Samuel R. Feldman Award for Premedical Studies.

TIMOTHY JOSEPH CLARK '77.

Mark Lederman Prize for Study of Medicine.

JOANNA ROBERTS PEASE '77.

Mark Lederman Scholarships in Biology.

AMY JANE BURDAN '79, PAUL ROSE '78.

William A. Rogers Prize in Physics.

JAMES JON DE YOREO '78.

PHILOSOPHY *John Alden Clark Essay Prize in Philosophy and Religion.*

THOMAS WESTON HEARNE III '77.

Stephen Coburn Pepper Prizes in Philosophy.

THOMAS WESTON HEARNE III '77, JOHN EDWARD SAWYER '77.

PSYCHOLOGY *Departmental Prize in Psychology.*

CHERYL ANN DOUGHTY '77.

PUBLIC SPEAKING *Coburn Speaking Prizes.*

1st Prize: CHERYL ANN PETERS '80.

2nd Prize: BRENDA LEE BOWEN '80.

3rd Prize: NATHANIEL CARLTON BEAL '77.

Goodwin Public Speaking Prizes.

1st Prize: SIDNEY KARL MOHEL '79.

2nd Prize: DAVID PAUL LINSKY '79.

3rd Prize: SCOT CHRISTOPHER LEHIGH '80.

Hannibal Hamlin Speaking Prize.

SCOT CHRISTOPHER LEHIGH '80.

Julius and Rachel Levine Speaking Prizes.

1st Prize: AWETU SIMESSO '77.

2nd Prize: KAISER MAHMOOD KHAN '77.

3rd Prize: DAVID PAUL LINSKY '79.

Herbert Carlyle Libby Prize.

Not held.

Montgomery Interscholastic Speaking Contest Prizes.

Not held.

Murray Debating Prizes.

1st Debate: MICHAEL SCOTT SEGAL, exchange student, CARL PHILLIP SNYDER '78.

2nd Debate: PAUL DAVID KAZILIONIS '79, RODERICK MARSHALL '79.

SOCIOLOGY *Albion Woodbury Small Prizes.*

Not awarded.

ATHLETICS *J. Seelye Bixler Award in Track.*

RICHARD HENRY HEALEY '77.

James Brudno Award in Track.

WILLIAM JOHN GETCHELL '78.

Coaches' Awards.

Baseball: Not awarded.

Basketball: Not awarded.

Football: NICHOLAS ANDREW JANS '77, HENRY DAVID NEWMAN III '77.

Hockey: PETER OMMERLE '77.

David W. Dobson Memorial Skiing Award.

PETER CROCKER NORDBLOM '80.

Peter Doran Award in Track.

WILLIAM JOHN GETCHELL '77.

Ewell-Steinberg-Goodhope Lacrosse Award.

CHARLES JOHN BURCH III '77.

Paul F. "Ginger" Fraser Award for a Nonletterman in Football.

TIMOTHY WAYNE CAMERON '80.

Free Throw Award in Basketball.

MARK IRVING LAKE '80.

Lacrosse Awards.

Most Improved Player: JEFF WALTER DROPO '79.

Most Valuable Player: TIMOTHY WAYNE CAMERON '80.

Robert LaFleur Memorial Basketball Awards.

JAMES HENRY CROOK, JR. '78, PAUL EUGENE HARVEY, JR. '78.

Gilbert F. "Mike" Loeb's Soccer Award.

ROBERT WILLIAM KWIATKOWSKI '77.

Ellsworth W. Millett Awards for Outstanding Contribution to Athletics over Four Years.

EDWARD FRANCIS CIAMPA '77, JOHN JOSEPH O'NEIL '77.

Ellsworth W. Millett Hockey Award.

JOSEPH FAULSTICH '80.

Most Valuable Defensive Player in Football Award.

Not awarded.

Cy Perkins Track Award.

PAUL DAVID KAZILIONIS '79.

Edward C. Roundy Memorial Baseball Award.

PAUL GERARD SPILLANE, JR. '79.

Mike Ryan Track Award.

RONALD SCOT PARET '77.

Theodore N. Shiro Basketball Award.

CHRISTOPHER MICHAEL MARCO '77.

Herbert E. Wadsworth Football Award.

LEONARD GEORGE SAULTER, JR. '77.

Robert "Tink" Wagner Baseball Award.

CHRISTOPHER HARTY WEBBER '79.

Norman E. Walker Hockey Awards.

LAWRENCE MACBRIDE SPARKS '80, DAVID ROBERT SURETTE '79.

Norman R. White Leadership and Sportsmanship Award.

HENRY DAVID NEWMAN III '77.

Matthew Zweig Award.

Not awarded.

Interviewers for Admission 1977-78

This list is arranged alphabetically by states and numerically by zip codes.

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West Hartford 06107

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Maple Street
Stockbridge 01262
- Mr./Mrs. Curtis Sears '73/'75
The Steele House
West Cummington 01265
- Mr. Alan H. Blanker '73
66 Ferrante Avenue
Greenfield 01301
- Ms. Maidli Perrin '76
Northfield Mt. Hermon School
Northfield 01360
- Mr. Richard W. Fields '61
Renauld International, Ltd.
380 River Road
Fitchburg 01420
- Ms. Deborah T. Howe '67
Littleton Road
Harvard 01451
- Mr. Richard J. Lane '70
405 Main Street
Worcester 01608
- Mr. Stephen Wurzel '69
17 Rolling Lane
Framingham 01701
- Mr. Benjamin R. Sears '52
31 Sweetwater Avenue
Bedford 01730
- Mr. Clifford A. Bean '51
10 Wood Street
Concord 01742
- Mr. Russell E. Cleary '72
126 Alcott Road
Concord 01742
- Miss Susan K. Nutter '66
1729 Wedgewood Common
Concord 01742
- Mr./Mrs. John C. Parsons II '65/'65
15 Greenleaf Road
Natick 01760
- Mr. Solomon J. Hartman '67
145 Woodland Street
Sherborn 01770
- Dr./Mrs. Alton Lamont, Jr. '52/'52
7 Clubhouse Lane
Wayland 01778
- Mr. Donald D. Mordecai '60
223 Glezen Lane
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- Mr. B. Byrd Allen '75
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Andover 01810
- Miss Edith E. Emery '37
59 Chandler Street
Haverhill 01830
- Mrs. Douglas B. Allan '33
37 Bradstreet Road
North Andover 01845
- Mr. Dennis Dionne '61
99 Raleigh Tavern Road
North Andover 01845
- Mr. Mark Shovan '67
Brooks School
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- Miss Cheryl M. Dubois '69
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6 Court Road
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- Mr. Maury Maniff '76
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- Mr. David C. Thaxter '62
13 Sagamore Road
Marblehead 01945
- Mrs. Robin Cote '70
12 Essex Lane
Peabody 01960
- Mr. Richard A. Vose '51
2 Livingston Drive
Peabody 01962
- Mrs. Richard L. Hampton '55
48 Fox Run Road
Topsfield 01983
- Miss Alison Coady '65
25 Spring Lane
Canton 02021
- Mr. Frank J. Evans '75
31 Fair Oaks Lane
Cohasset 02025
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Dover 02030
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Ambler 19002

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Gladwyne 19035

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Philadelphia 19119

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Cumberland Hill 02864

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Warwick 02886

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Providence 02901

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230 Eighth Street
Providence 02906

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Riverside 02915

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Dallas 75234

Mr. Lewis Krinsky '65
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Houston 77042

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Saxtons River 05154

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Brattleboro 05301

Miss Mary Adams '58
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Brattleboro 05301

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Winooski 05404

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Winooski 05404

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Essex Junction 05452

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6 Rustic Drive
Essex Junction 05452

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Reston 22091

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Oakton 22124

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Vienna 22180

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Arlington 22204

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Seattle 98112

Mr./Mrs. David Galvin '75/'75
9025 15th Avenue, Northeast
Seattle 98115

Mr. Karl B. Ostendorf '66
5101 Northeast 70th Street
Seattle 98115

Mrs. Donald G. Sachs '45
17820 4th Street, Southwest
Seattle 98166

Mrs. Jeremy Mattox '64
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West Seattle 98199

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Madison 53704

Mr./Mrs. Bruce Davey '65/'64
518 Virginia Terrace
Madison 53705

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WCBB-TV

WCBB-TV, a public television station, is licensed to the Colby-Bates-Bowdoin Educational Telecasting Corporation, formed by the three colleges in 1961. Offices and studios are in Lewiston. At the time of its founding, WCBB-TV was the first educational television station in Maine, the third in New England, and the sixth in the nation.

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College Calendar 1978-79

FIRST SEMESTER

Thursday, September 7

Sunday, September 10

Monday, September 11

Friday-Sunday, October 13-15

Friday, October 20

Friday-Sunday, October 27-29

Friday-Sunday, November 3-5

Wednesday, November 22, at the conclusion of the 11:30 class period to

Monday, November 27, 8:00 a.m.

Thursday, December 7

Saturday, December 9 *through*

Friday, December 15

Saturday, December 16

Sunday, December 17

Monday, January 8 *through*

Friday, February 2

Freshman program begins

Upperclass registration

First classes

Weekend for families of sophomores, juniors, and seniors

Midsemester

Homecoming weekend

Weekend for families of freshmen

Thanksgiving recess

Last classes of the first semester

Semester examinations

Make-up examinations

Christmas recess begins (residence halls closed)

January program

SECOND SEMESTER

Tuesday, February 6

Wednesday, February 7

Thursday, March 22

Friday, March 23, 5:30 p.m. to

Monday, April 2, 8:00 a.m.

Monday, April 30 *through*

Friday, May 4

Monday, April 30 *through*

Friday, May 11

Friday, May 11

Saturday, May 12

Tuesday, May 15 *through*

Monday, May 21

Tuesday, May 22

Sunday, May 27

Registration

First classes

Midsemester

Spring recess (residence halls closed)

Spring registration

Optional reading period for 300 and 400 courses

Last classes of the second semester

Last day for scheduled events

Semester examinations

Make-up examinations

Commencement

The college reserves the right in its sole judgment to make changes of any nature in its program, calendar, or academic schedule whenever it is deemed necessary or desirable, including changes in course content, the rescheduling of classes with or without extending the usual academic term, cancellation of scheduled classes and other academic activities, and requiring or affording alternatives for scheduled classes or other academic activities, in any such case giving such notice thereof as is reasonably practicable under the circumstances.

1978

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1979

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1980

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